



November 14, 2025

**New Mexico Energy Minerals and Natural Resources Department**

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

**Re: Closure Request  
Big Bull 305 H Well Pad  
Incident Number nAPP2514723395  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Big Bull 305 H Well Pad (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following the release of crude oil onto the well pad and adjacent pasture area. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2514723395.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit N, Section 01, Township 21 South, Range 32 East, in Lea County, New Mexico (32.501222°, -103.62993°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 24, 2025, an equipment failure resulted in the release of approximately 19 barrels (bbls) of crude oil onto the caliche well pad, and overspray from the release impacted an off-pad area to the northeast; 2 bbls of crude oil were recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal May 27, 2025. The release was assigned Incident Number nAPP2514723395. The Form C-141 can be referenced on the NMOCD web portal.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, CP-1884 POD1, located approximately 0.33 miles west of the Site. The well was advanced to 55 feet below ground surface (bgs) and reported as a dry hole. There are no

regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. As such, depth to groundwater is estimated to be greater than 55 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.58 miles south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

## **SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES**

Ensolum personnel evaluated the release extent based on information provided on the Form C-141 and visual observations. Soil Samples SS01 through SS12, SS10A, and SS11A were collected from the ground surface outside the release footprint to delineate lateral extent. Ensolum advanced six boreholes (BH01 through BH06) via hand auger within the release extent on-pad to assess the vertical extent of the release. Borehole BH01 was advanced to a depth of 2 feet bgs, borehole BH03 was advanced to a depth of 3 feet bgs, and boreholes BH03 through BH06 were advanced to a depth of 1-foot bgs. The delineation soil samples were field screened for chloride and TPH utilizing Hach® Chloride Test Strips and a PetroFLAG® Soil Analyzer System, respectively.

Prior to beginning vertical delineation soil sampling activities with the overspray area off-pad, a Sundry was submitted to the BLM for approval, and an archaeological survey of the off-pad overspray area was completed. The survey determined the release area was negative for cultural properties (see Appendix B). Ensolum advanced six boreholes within the overspray area off-pad via hand auger to a depth of 1-foot bgs in borehole BH07 and a depth of 0.5 feet bgs in boreholes (BH08 through BH12). Discrete soil samples were handled and analyzed as previously described.

The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix C. Field observations for the boreholes were logged on a lithologic/soil sampling log, which is included in Appendix D.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-

of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical for delineation soil samples SS03 through SS09, collected at ground surface and 1-foot bgs, were all in compliance with the Site Closure Criteria and the strictest Closure Criteria. Laboratory analytical results for delineation soil samples SS10 and SS11, collected at ground surface and 1-foot bgs, were in compliance with the Site Closure Criteria at ground surface and with the strictest Closure Criteria at 1-foot bgs.

Laboratory analytical results from delineation soil samples collected on-pad from BH01, BH02, BH04, and BH05 at ground surface contained concentrations of TPH exceeding the Site Closure Criteria. Samples from the terminal depths in these boreholes were in compliance with the strictest Closure Criteria. Samples from boreholes BH03 and BH06 were in compliance with the Site Closure Criteria at ground surface.

Laboratory analytical results for boreholes (BH07 through BH12) indicated that COC's were all in compliance with the strictest Closure Criteria and with the Site Closure Criteria at ground surface and 0.5 feet bgs indicating that excavation of the off-pad overspray area was not necessary. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included in Appendix E.

## EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on October 16, 2025, a surface scrape of the impacted area on-pad was completed with a backhoe, skid steer, and transport vehicles. To direct excavation activities, Ensolum personnel screened soils for chloride and TPH as previously described.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 400 square feet from the floor of the scraped area per an approved confirmation soil sampling variance (Appendix F). The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation floor samples (FS01 through FS64) were collected from the impacted area on-pad at depths ranging from ground surface to 0.5 feet bgs; Confirmation floor samples (FS65 through FS83) were collected from the overspray area off-pad. The confirmation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 25,572 square feet. A total of approximately 220 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal Facility in Carlsbad, New Mexico.

Laboratory analytical results for excavation floor soil samples (FS01 and FS83) indicated all COC concentrations were compliant with the Site Closure Criteria at depths ranging from ground surface to 0.5 feet bgs. Laboratory analytical results are summarized in Table 2 and the complete laboratory analytical reports are included as Appendix D.

## CLOSURE REQUEST

Site assessment and excavation activities were conducted to address the May 2025 release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria, as were the confirmation samples collected from the off-pad overspray area. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2514723395.

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

Sincerely,  
**Ensolum, LLC**



Ashley Giovengo  
Associate Principal



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

### Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Soil Samples)
Appendix A	Well Record and Log
Appendix B	NMCRIS Investigation Abstract Form (NIAF)
Appendix C	Photographic Log
Appendix D	Lithologic / Soil Sampling Logs
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Correspondence











FIGURES

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**Legend**

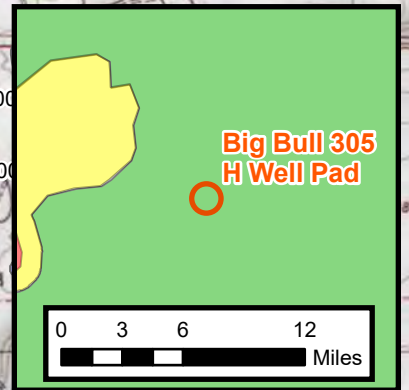
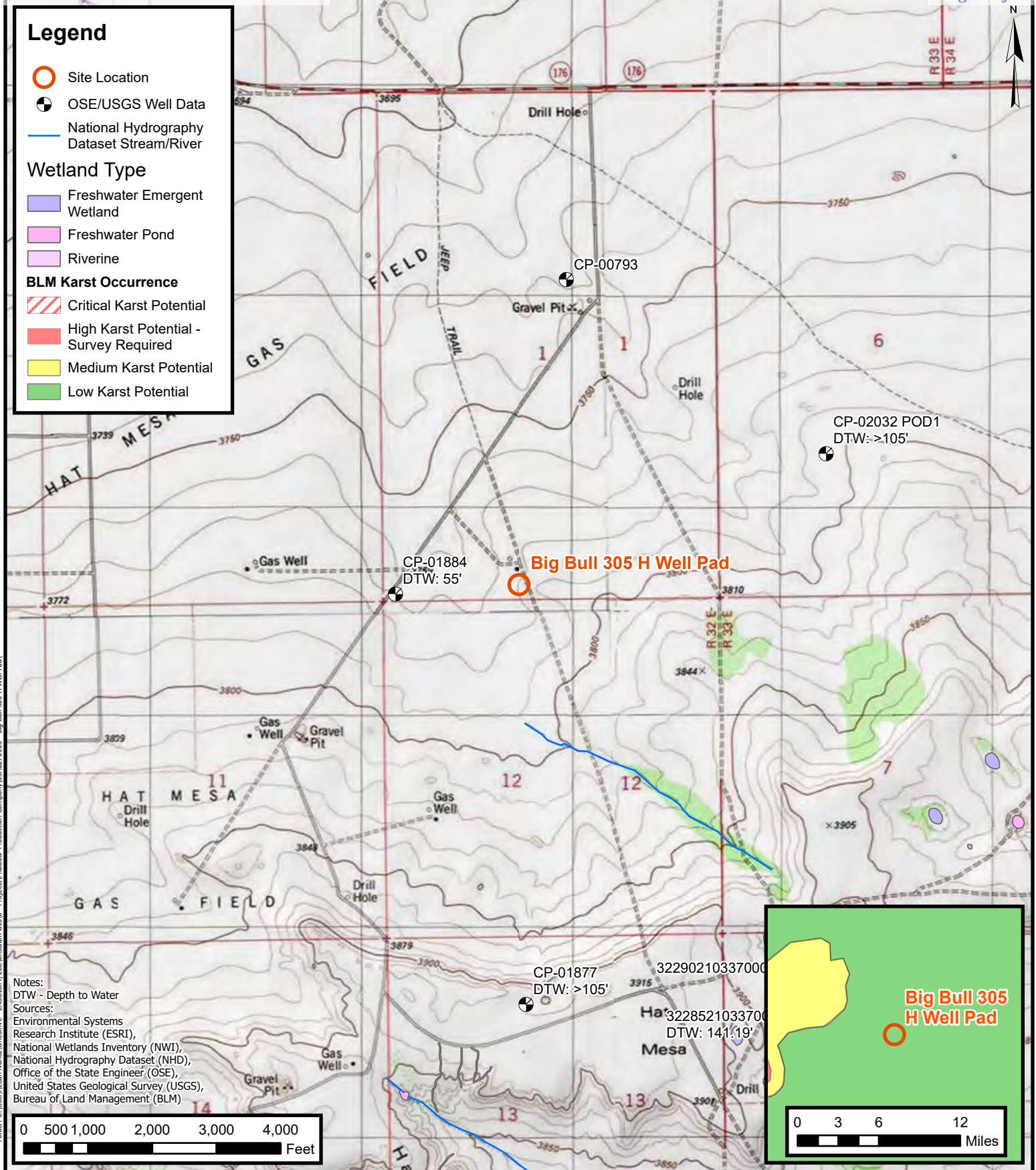
-  Site Location
-  OSE/USGS Well Data
-  National Hydrography Dataset Stream/River

**Wetland Type**

-  Freshwater Emergent Wetland
-  Freshwater Pond
-  Riverine

**BLM Karst Occurrence**

-  Critical Karst Potential
-  High Karst Potential - Survey Required
-  Medium Karst Potential
-  Low Karst Potential

**Site Receptor Map**

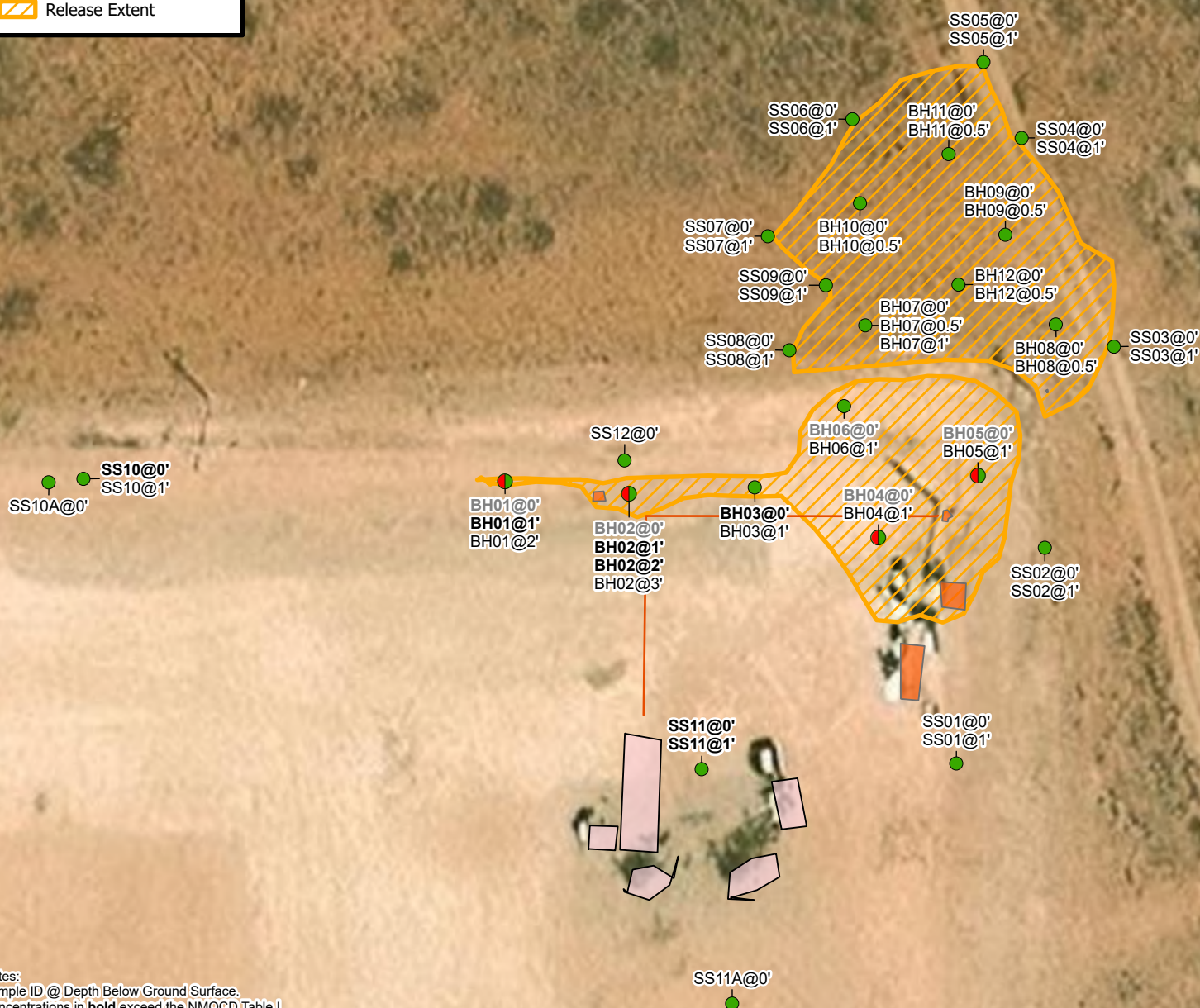
Matador Production Company  
Big Bull 305 H Well Pad  
Incident Number: nAPP2514723395  
Unit N, Section 01, T 21S, R 32E  
Lea County, New Mexico

**FIGURE****1**



## Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electrical
- Electrical
- Infrastructure
- Release Extent



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

0 25 50 100  
 Feet

Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

Matador Production Company  
 Big Bull 305 H Well Pad  
 Incident Number: nAPP2514723395  
 Unit N, Section 01, T 21S, R 32E  
 Lea County, New Mexico

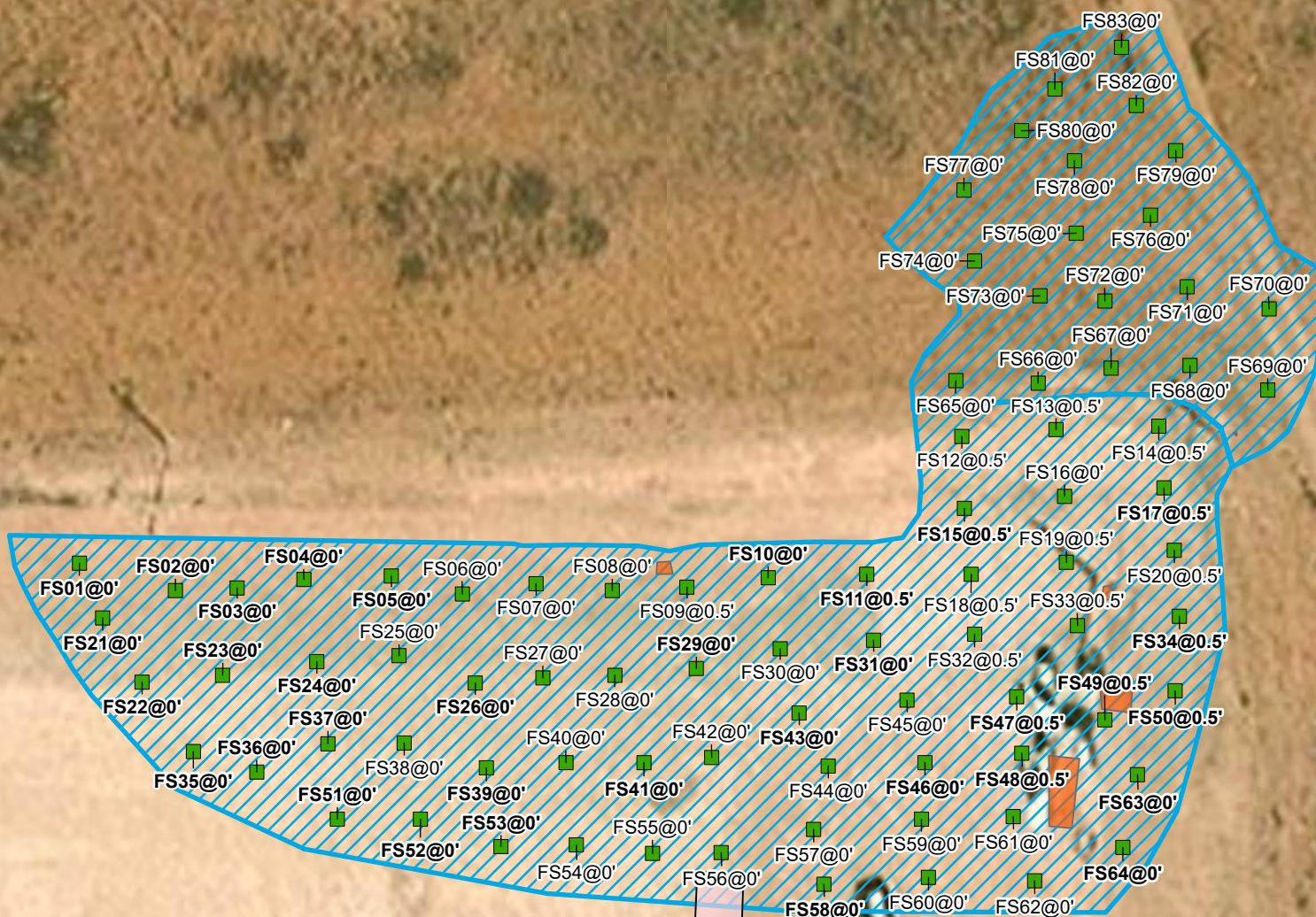
FIGURE

2

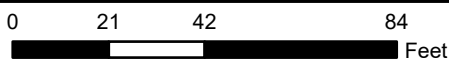


## Legend

- Confirmation Floor Soil Sample in Compliance with Closure Criteria
- Electrical
- Infrastructure
- Excavation Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Concentrations in **bold** exceed the NMOC Table I  
 Closure Criteria reclamation standard where applicable.  
 Red text represents samples that exceed Closure Criteria.



Sources: Environmental Systems Research Institute (ESRI)

## Confirmation Soil Sample Location

Matador Production Company  
 Big Bull 305 H Well Pad  
 Incident Number: nAPP2514723395  
 Unit N, Section 01, T 21S, R 32E  
 Lea County, New Mexico

FIGURE

3





TABLES

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Big Bull 305 H Well Pad  
 Matador Production Company  
 Lea 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)
<b>NMOCB Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>NMOCB Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples</b>										
SS01	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	11/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.7
SS03*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09*	7/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	6/23/2025	0	<0.0250	<0.0500	<20.0	37.8	65.4	37.8	<b>103.2</b>	69.2
SS10	6/23/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	163
SS10A	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	6/23/2025	0	<0.0250	<0.0500	<20.0	174	253	174	<b>427</b>	231
SS11	6/23/2025	1	<0.0250	<0.0500	<20.0	42.5	63.5	42.5	<b>106</b>	432
SS11A	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.1
SS12	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	7/17/2025	0	<0.0250	106	41.4	30,100	12,800	<b>30,100</b>	<b>42,900</b>	23.2
BH01	7/17/2025	1	<0.0250	<0.0500	<20.0	304	145	<b>304</b>	<b>449</b>	163
BH01	7/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	323
BH02	7/17/2025	0	<0.0250	2.34	62.7	25,800	9,830	<b>25,800</b>	<b>35,630</b>	3,160
BH02	7/17/2025	1	<0.0250	<0.0500	<20.0	26.2	59.5	26.2	59.5	<b>1,760</b>
BH02	7/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,050</b>
BH02	7/17/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.6
BH03	7/18/2025	0	<0.0250	<0.0500	<20.0	350	389.0	<b>350</b>	<b>739</b>	<b>302</b>
BH03	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	7/18/2025	0	<0.0250	<0.0500	<20.0	3,820	2,420	<b>3,820</b>	<b>6,240</b>	<b>9,610</b>
BH04	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	212
BH05	7/18/2025	0	<0.0250	<0.0500	<20.0	13,300	8,430	<b>13,300</b>	<b>21,730</b>	<b>1,050</b>
BH05	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	293
BH06	7/18/2025	0	<0.0250	<0.0500	<20.0	384	339	384	<b>723</b>	413
BH06	7/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.1





**TABLE 1 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Big Bull 305 H Well Pad  
 Matador Production Company  
 Lea 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
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 55 feet bgs			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH07*	9/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07*	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07*	9/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08*	9/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08*	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09*	9/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.0
BH09*	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10*	9/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10*	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11*	9/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11*	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12*	9/12/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12*	9/12/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**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

Red text represents samples that exceed expected Closure Criteria

&lt;: 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**  
 Big Bull 305 H Well Pad  
 Matador Production Company  
 Lea 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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Excavation Floor Soil Samples</b>										
FS01	10/22/2025	0	<0.0250	<0.0500	<20.0	69.9	<50.0	69.9	69.9	<b>1,330</b>
FS02	10/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>998</b>
FS03	10/22/2025	0	<0.0250	<0.0500	<20.0	48.2	<50.0	48.2	<50.0	<b>2,290</b>
FS04	10/22/2025	0	<0.0250	<0.0500	<20.0	32.1	<50.0	32.1	<50.0	<b>2,170</b>
FS05	10/22/2025	0	<0.0250	<0.0500	<20.0	316	111	316	<b>427</b>	<b>1,180</b>
FS06	10/22/2025	0	<0.0250	<0.0500	<20.0	47.6	<50.0	47.6	<50.0	262
FS07	10/22/2025	0	<0.0250	<0.0500	<20.0	28.2	<50.0	28.2	<50.0	237
FS08	10/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	223
FS09	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	215
FS10	10/23/2025	0	<0.0250	<0.0500	<20.0	73.7	53.9	73.7	<b>128</b>	583
FS11	10/21/2025	0.5	<0.0250	<0.0500	<20.0	70.0	56.3	70.0	<b>126</b>	393
FS12	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	468
FS13	10/21/2025	0.5	<0.0250	<0.0500	<20.0	27.9	<50.0	27.9	<50.0	202
FS14	10/21/2025	0.5	<0.0250	<0.0500	<20.0	34	<50.0	34	<50.0	165
FS15	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>946</b>
FS16	10/23/2025	0	<0.0250	<0.0500	<20.0	58.5	<50.0	58.5	58.5	564
FS17	10/21/2025	0.5	<0.0250	<0.0500	<20.0	54.2	<50.0	54.2	<50.0	<b>850</b>
FS18	10/23/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	204
FS19	10/23/2025	0.5	<0.0250	<0.0500	<20.0	57.9	<50.0	57.9	57.9	561
FS20	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	350
FS21	10/22/2025	0	<0.0250	<0.0500	<20.0	232	83.7	232	<b>316</b>	<b>706</b>
FS22	10/22/2025	0	<0.0250	<0.0500	<20.0	298	68.2	298	<b>366</b>	<b>2,460</b>
FS23	10/22/2025	0	<0.0250	<0.0500	<20.0	647	545	647	<b>1,192</b>	<b>1,330</b>
FS24	10/22/2025	0	<0.0250	<0.0500	<20.0	130	61.0	130	<b>191</b>	<b>2,750</b>
FS25	10/22/2025	0	<0.0250	<0.0500	<20.0	50.7	<50.0	50.7	50.7	327
FS26	10/22/2025	0	<0.0250	<0.0500	<20.0	61.1	<50.0	61.1	61.1	<b>6,290</b>
FS27	10/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
FS28	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	141
FS29	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,170</b>
FS30	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
FS31	10/23/2025	0	<0.0250	<0.0500	<20.0	180	90.0	180	<b>270</b>	<b>729</b>



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Big Bull 305 H Well Pad  
 Matador Production Company  
 Lea 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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Excavation Floor Soil Samples</b>										
FS32	10/23/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	144
FS33	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	354
FS34	10/21/2025	0.5	<0.0250	<0.0500	<20.0	160	140	160	<b>300</b>	<b>1,050</b>
FS35	10/22/2025	0	<0.0250	<0.0500	<20.0	104	64.8	104	<b>169</b>	<b>971</b>
FS36	10/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,610</b>
FS37	10/22/2025	0	<0.0250	<0.0500	<20.0	157	210	157	<b>367</b>	<b>1,510</b>
FS38	10/22/2025	0	<0.0250	<0.0500	<20.0	39.6	<50.0	39.6	<50.0	262
FS39	10/22/2025	0	<0.0250	<0.0500	<20.0	46.2	<50.0	46.2	<50.0	<b>2,800</b>
FS40	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133
FS41	10/23/2025	0	<0.0250	<0.0500	<20.0	73.4	51.1	73.4	<b>125</b>	569
FS42	10/23/2025	0	<0.0250	<0.0500	<20.0	61.9	<50.0	61.9	61.9	564
FS43	10/23/2025	0	<0.0250	<0.0500	<20.0	174	87.1	174	<b>261</b>	<b>728</b>
FS44	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	199
FS45	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	201
FS46	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,110</b>
FS47	10/21/2025	0.5	<0.0250	<0.0500	<20.0	50.9	64.4	50.9	<b>115</b>	<b>614</b>
FS48	10/21/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>754</b>
FS49	10/21/2025	0.5	<0.0250	<0.0500	<20.0	59.4	82.3	59.4	<b>142</b>	561
FS50	10/21/2025	0.5	<0.0250	<0.0500	<20.0	54.9	78.5	54.9	<b>133</b>	<b>669</b>
FS51	10/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>3,050</b>
FS52	10/22/2025	0	<0.0250	<0.0500	<20.0	107	58.7	107	<b>166</b>	<b>1,700</b>
FS53	10/22/2025	0	<0.0250	<0.0500	<20.0	82.9	72.4	82.9	<b>155</b>	<b>1,770</b>
FS54	10/22/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.8
FS55	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	205
FS56	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	199
FS57	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	195
FS58	10/23/2025	0	<0.0250	<0.0500	<20.0	181	87.5	181	<b>269</b>	<b>716</b>
FS59	10/23/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
FS60	10/21/2025	0	<0.0250	<0.0500	<20.0	31.7	<50.0	31.7	<50.0	161
FS61	10/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS62	10/21/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	136



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Big Bull 305 H Well Pad  
 Matador Production Company  
 Lea 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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Excavation Floor Soil Samples</b>										
FS63	10/21/2025	0	<0.0250	<0.0500	<20.0	82.4	123	82.4	<b>205</b>	<20.0
FS64	10/21/2025	0	<0.0250	<0.0500	<20.0	60.0	90.1	60.0	<b>150</b>	133
FS65*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS66*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS67*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS68*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS69*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS70*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS71*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS72*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS73*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS74*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS75*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS76*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS77*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS78*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS79*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS80*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS81*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS82*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS83*	10/16/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**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

Red text represents samples that exceed expected Closure Criteria

&lt;: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



## APPENDIX A

### Well Record and Log

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1884		
	WELL OWNER NAME(S) Ascent Energy				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS P.O Box 270983				CITY Littleton	STATE CO	ZIP 80127
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 30	SECONDS 3.18 N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SW Sec. 01 T21S R32E							
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 09/08/2021		DRILLING ENDED 09/08/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	
	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) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 55		±6.5	Boring- HSA	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1884	POD NO. 1	TRN NO. 699871
LOCATION 21S-32E-01 333	WELL TAG ID NO. N/A	PAGE 1 OF 2



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	9	9	Sand, Medium/fine, with some caliche, Red	Y    ✓ N	
	9	14	5	Sand, Medium/fine, with some caliche, Brown	Y    ✓ N	
	14	24	10	Caliche with Medium/fine sand, Off white	Y    ✓ N	
	24	34	10	Sand, Medium/fine, with some caliche, Brown	Y    ✓ N	
	34	55	21	Caliche with Medium/fine sand, Off white	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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):            0.00	

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: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt and Carmelo Trevino <div style="text-align: right; margin-top: 10px;">             DSE 07 SEP 28 2021 PM 3:01           </div>	

6. SIGNATURE	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE
	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             Jackie D. Atkins         </div> <div style="text-align: right;">           09/27/2021         </div> </div>	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. CP-1884	POD NO. 1	TRN NO. 690871	
LOCATION 215-37 E-01 333	WELL TAG ID NO. N/A	PAGE 2 OF 2	



## APPENDIX B

### NMCRIS Investigation Abstract Form (NIAF)

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NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159301

HPD Log No(s).

Registration

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Performing Agency: Beaver Creek Archaeology, Inc.

Activity ID:

Performing Agency Report No: BCA25-1732

Other Agencies:

Report Recipient (Your Client): Ensolum on behalf of Matador Production Company

Activity Types:

☐ Research Design ☒ Archaeological Survey/Inventory

☐ Architectural Survey/Inventory ☐ Test Excavation ☐ Monitoring

☐ Collections/Non-Field Study ☐ Compliance Decision

☐ Literature Review Overview ☐ Excavation ☐ Ethnographic Study

☐ Resource/Property Visit ☐ Historic Structures Report

☐ Other:

Total Survey Acreage: 0.69

Total Tribal Acreage: 0.00

Total Resources Visited: 0

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit
--------	--------	-------------------------	--------	---------------	-------------------	---------

Report Details

Type of Report Negative

Lead Agency

Lead Agency: US Bureau of Land Management Carlsbad Field Office

Lead Agency Report No.

Report Number:

Title of Report

Title of Report: A Class III Cultural Resources Inventory for Remediation Efforts at Matador's Big Bull Site in Lea County, New Mexico

Report run on: Aug 27, 2025 12:59 PM

**NMCRIS Investigation Abstract Form (NIAF)****NMCRIS Activity Number: 159301****HPD Log No(s).****Report Details (continued)****Authors:** Irene A. Altieri**Publication Type:** Report, Monograph, or Book**Description of Undertaking (what does the project entail?)**

**Description:** The project consists of a Class III Cultural Resources Inventory for Ensolum, LLC, on behalf of Matador Production Company (the Proponent) for the proposed remediation efforts at the Big Bull Site. The proposed workspace limits, which accounts for all proposed surface disturbing activities, are anticipated to be comprised of an 0.4-acre area, fully encompasses by a 2.28 acre inventory area, which accounts for a 100' cultural buffer extending from all sides of the workspace limits. During the current undertaking, approximately 1.59 acres, which encompasses a previously surveyed area (NMCRIS Activity Numbers 145170 & 150051), were not surveyed. As a result, approximately 0.69 acres of the inventory area and 0.03 acres of the workspace limits were surveyed to Class III standards during the current undertaking.

The workspace limits and inventory area are both solely located on surface managed by the Bureau of Land Management (BLM) Carlsbad Field Office.

**Dates of Investigation****From:** 09-Aug-2025 **To:** 09-Aug-2025**Report Date****Report Date:** 19-Aug-2025**Performing Agency/Consultant****Name:** Beaver Creek Archaeology, Inc.**Principal Investigator:** Wade Burns**Field Supervisor:** Tim Graves**Field Personnel Names:** Juan Arias**Historian/Other** N/A**Performing Agency Report Number****Report Number:** BCA25-1732**Client/Customer (project proponent)****Name:** Ensolum on behalf of Matador Production Company**Contact:** Ashley Giovengo**Address:****Phone**

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159301

HPD Log No(s).

Report Details (continued)

Client/Customer Project Number

Project Number:

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Owner/Manager List:	Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
	US Bureau of Land Management Carlsbad Field Office	Class III	0.69	0.03
	US Bureau of Land Management Carlsbad Field Office	No inventory - prior investigations	1.59	0.35

Total Survey Acreage: 0.69

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 01-Aug-2025

Date of Other Agency File Review 01-Aug-2025

Survey Data

Source Graphics: NAD 83

☒ USGS 7.5' (1:24,000) topo map ☐ Other Topo Map Scale:

☐ GPS Unit

☒ Aerial Photos Other Source Graphic(s):

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic Map(s)		County(ies)		Legal Description			
Map Name	USGS Quad Code	County	FIPS	Unplatted	Township (N/S)	Range (E/W)	Section
Laguna Gatuna, NM	32103-E6	LEA	35023	No	T21S	R32E	1

Projected Legal Description

No

Nearest City or Town: Oil Center, NM

Other Description:

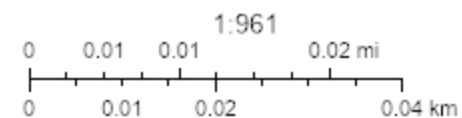
NMCRIS No: 159301



8/27/2025, 1:59:05 PM

NMCRIS No: 159301

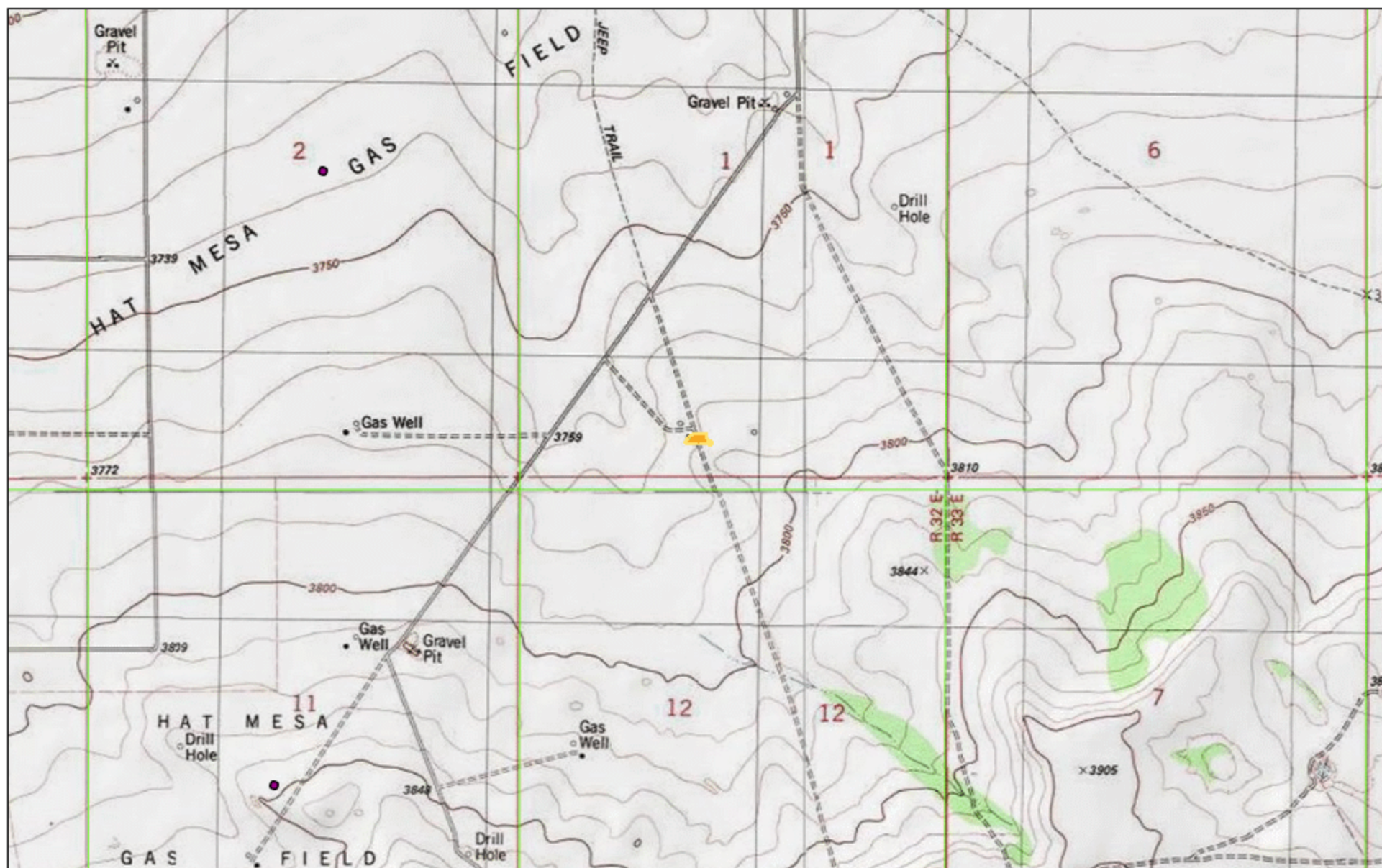
 Proposed



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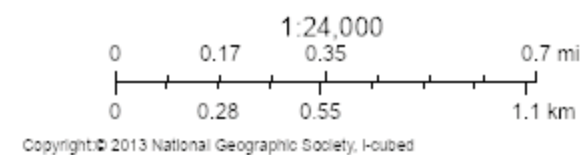


NMCRIS No: 159301



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NMCRIS No: 159301

 Proposed



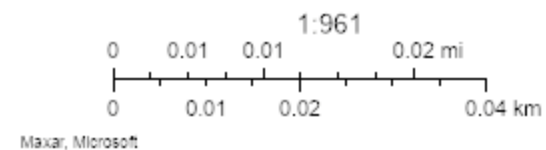
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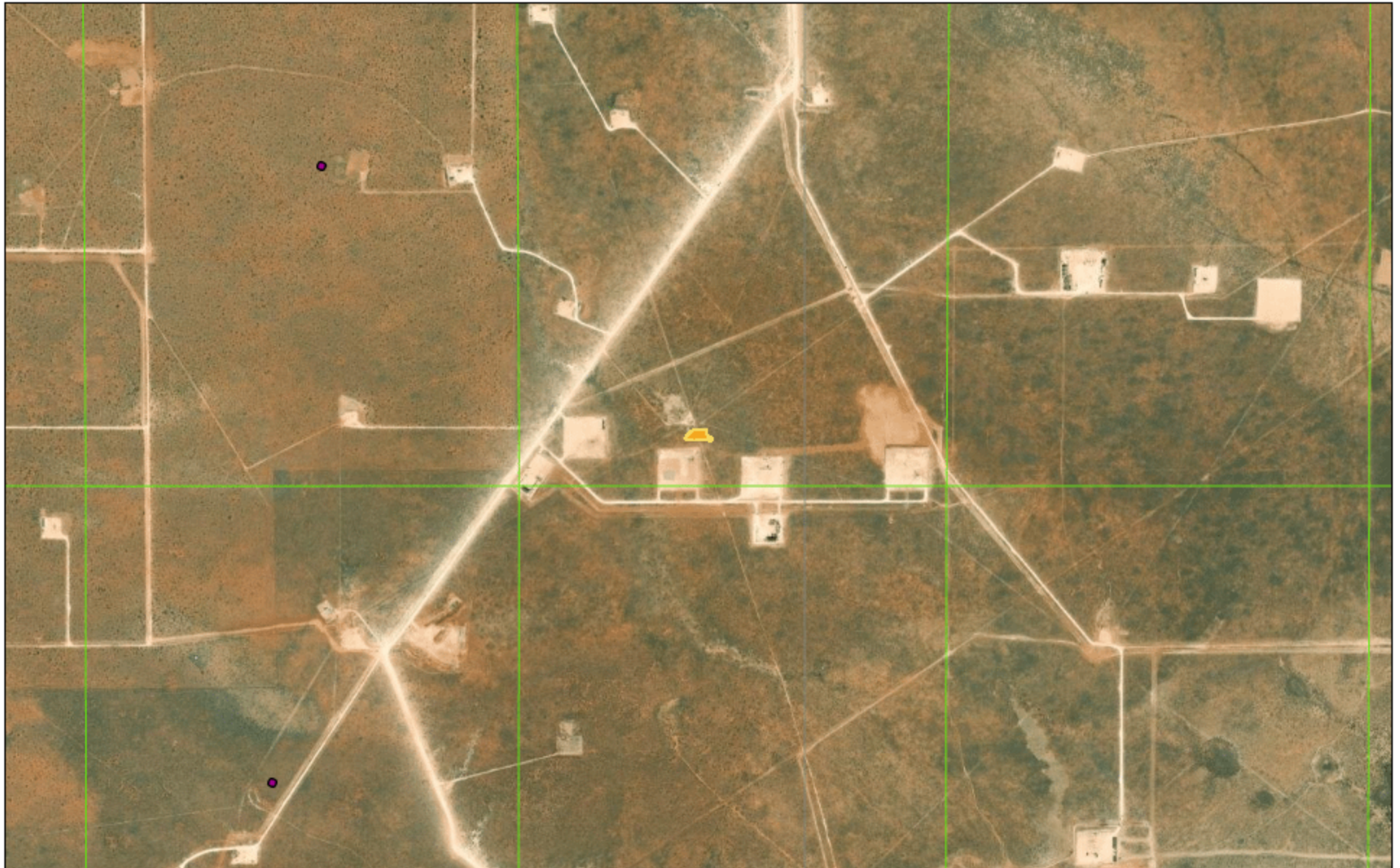
NMCRIS No: 159301

 Proposed





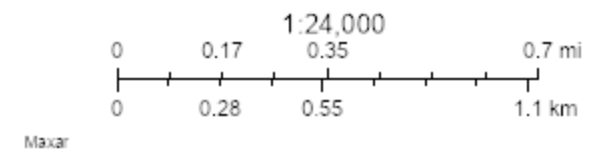
NMCRIS No: 159301



8/27/2025, 1:59:05 PM

NMCRIS No: 159301

 Proposed



Report run on: Aug 27, 2025 12:59 PM

## NMCRIS Investigation Abstract Form (NIAF)

**NMCRIS Activity Number: 159301**
**HPD Log No(s).**

### Methodology

#### Survey Field Methods

**Intensity:** 100% coverage

**Configuration:** ☒ Block Survey Units ☐ Linear Survey Units (l x y)

#### Other Survey Units

**Scope:** All Resources

**Coverage Method:** ☒ Systematic Pedestrian Coverage **Other Method:**
**Survey Interval (m):** 15 **Crew Size** 2

**Fieldwork Dates** **From** 09-Aug-2025 **To** 09-Aug-2025

**Survey Person Hours:** 1.00 **Recording Person Hours** 0.00

**Additional Narrative:** Prior to the field inventory, BCA conducted a records search through the Archaeological Records Management Section (ARMS) of the New Mexico Historic Preservation Division's (HPD) NMCRIS records. Additionally, a records search was conducted through BLM Geographic Information System (GIS) databases and resources. The records searches revealed one previously recorded cultural resource that crosses into both the proposed workspace limits and inventory area: Site LA196133.

Site LA196133 was recorded in 2020 by S. Waldo and B. Patton of LMAS as a historic drilling location, comprised of one feature and an artifact assemblage, with no clear well pad extent visible, suggesting that the site had likely been reclaimed in the past. Feature 1 consists of a visible pipe with a poured concrete base dated to 1945 and the artifact assemblage contained nine bricks, two pieces of milled lumber, one piece of braided wire, and one steel pipe. The site was recommended as ineligible for nomination to the NRHP as the site did not retain integrity to convey historical significance for recommendation to the NRHP and did not meet the requirements set forth by the Permian Basin Oil and Gas historic context. The site was updated in 2022 by J. Rein who noted no changes to the site. Site LA196133 was previously determined as ineligible for nomination to the NRHP by the BLM-CFO in February 2020 (NMCRIS Activity No. 145170) & June 2022 (NMCRIS Activity No. 150051), as well as by the NM SHPO in May 2022 (NMCRIS Activity No. 150051; HPD Log No. 117377). As part of the BLM-CFO permitting for the current undertaking, the BLM determined that a site visit was not required for the current pedestrian inventory.

During the course of the pedestrian inventory, no new cultural resources were discovered. Weather at the time of the pedestrian inventory consisted of partly cloudy skies and a temperature of 75°F.

#### Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

**Environmental Setting:** The inventory area is located east of the Pecos River on the Mescalero Plain, approximately 19 miles west of Oil Center, New Mexico. The elevation of the inventory area averages 3,784' above mean sea level (AMSL). The inventory area is located rolling plains vegetated

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity Number: 159301

HPD Log No(s).

Methodology

by dropseed, broom snakeweed, mesquite, and other native and non-native grasses, plants, and forbs. According to the Natural Resources Conservation Service (NRCS; 2025), the soils within the surveyed area are comprised solely of Tonuco loamy fine sand (2tw3c), which is typically found on rises in a setting of ridges and plains at elevations ranging from 3,280-4,460', and slopes ranging from 0-3%. Locations of oil and gas production are in the surrounding area.

Natural Resources Conservation Service (NRCS). 2025. NRCS Web Soil Survey. Electronic data, <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>, accessed August 19, 2025.

Percent Ground Visibility

Ground Visibility: 76-99%

Condition of Survey Area: Ground surface visibility (GSV) at the time of the inventory was approximately 76-99%, with the average estimated to be 90%. Surface visibility was estimated by the amount of vegetation cover. Previous disturbances within the inventory area consist of two well pads and a two-track road. The surveyed area remains approximately 90% intact as only a two-track road and buried utility line runs through it.

Attachments (check all appropriate boxes)

- ☒ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ☒ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms - new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- ☐ Historic Cultural Property Inventory Forms, if applicable
- ☐ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

Other Attachments

- ☒ Photographs and Log
- ☒ Other attachments Describe: NIAF with attachments

Cultural Resource Findings

Investigation Results

Archaeological Sites Discovered and Registered: 0

Archaeological Sites Discovered and NOT Registered: 0

Previously Recorded Archaeological Sites Revisited (site update form required): 0

Previously Recorded Archaeological Sites Not Relocated (site update form required): 0



## NMCRIS Investigation Abstract Form (NIAF)

**NMCRIS Activity Number: 159301**

**HPD Log No(s).**

### Cultural Resource Findings (continued)

**Total Archaeological Sites (visited & recorded):** 0

**Total Isolates Recorded:** 0

**HCPI Properties Discovered and Registered:** 0

**HCPI Properties Discovered And NOT Registered:** 0

**Previously Recorded HCPI Properties Revisited:** 0

**Previously Recorded HCPI Properties NOT Relocated:** 0

**Total HCPI Properties (visited & recorded, including acequias):** 0

**If No Cultural  
Resources Found,  
Discuss Why:**

The NMCRIS and BLM records checks revealed one previously recorded site within the proposed workspace limits and inventory area: LA196133. Site LA196133, a historic site, is determined as not eligible by the BLM-CFO and NM SHPO and the BLM-CFO determined that a site visit and update were not necessary for the current undertaking. As such, BCA did not conduct an update for the site.

During the current undertaking, no features or cultural material associated with Site LA196133 were observed as only a small portion of the site boundary crossed into the survey area and the documented feature is located outside of the survey area. No new cultural resources were discovered during the current pedestrian inventory. The lack of prehistoric cultural material/resources may be due to the fact that the surveyed area is relatively small in size and represents a small segment of the surrounding landscape. Much of the surrounding area has undergone oil and gas development, including the multiple two-track and gravel roads, drilling locations, well pads, pipelines, and overhead and buried utility lines. Additionally, the findings of the current pedestrian inventory revealed similar results to other surveys conducted in the area.

### Management Summary

**Summary:** The NMCRIS and BLM records checks revealed one previously recorded site within the proposed workspace limits and inventory area: LA196133, a historic drilling location and was determined as not eligible by the BLM-CFO and NM SHPO. The BLM-CFO determined that a site visit was not necessary for the current undertaking.

No evidence of LA 196133 was observed within the survey area and no site revisit or update was conducted for the site. As Site LA196133 is recommended as not eligible for nomination to the NRHP, no avoidance is recommended. Additionally, no new cultural material, features, or evidence thereof was observed during the current pedestrian inventory. As a result, BCA recommends a finding of No Historic Properties Affected, with no further archaeological work recommended.

### Attachments

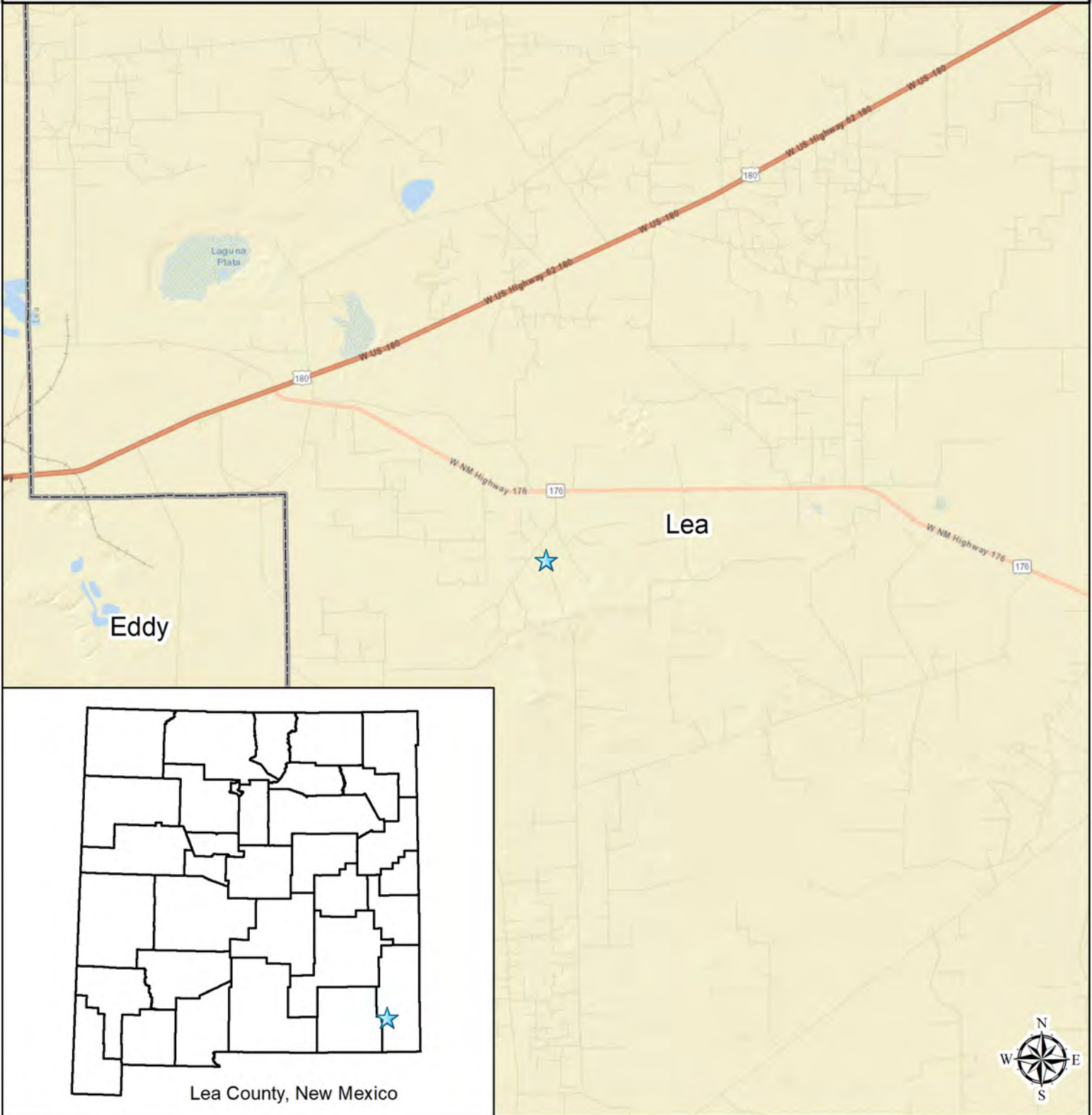
Attachment Type	Description	Name	File Type	Upload Date	Upload By
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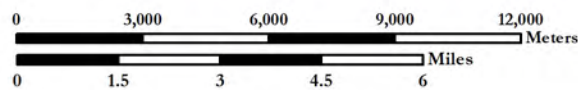
# Beaver Creek ARCHAEOLOGY

Matador's Big Bull Site  
Ensolum, LLC  
T21S R32E Sec. 1  
Laguna Gatuna(1984) Quad. Map  
Upper Pecos-Black Drainage  
Lea County, New Mexico



## Legend

★ Project Location



Base Map: USGS 7.5'  
Scale: 1:180,000  
UTM NAD83 Zone 13

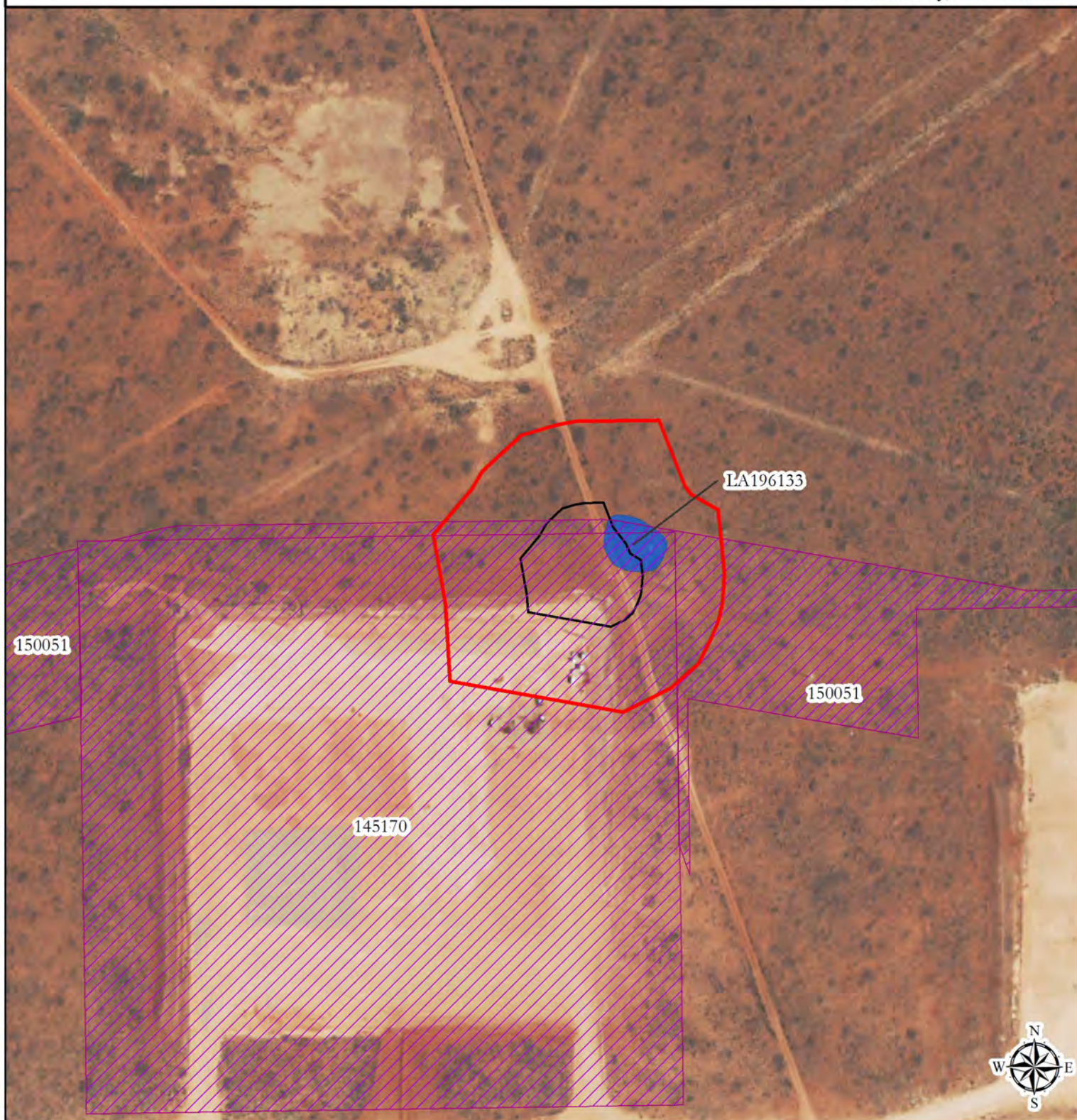








**Beaver Creek**  
ARCHAEOLOGY

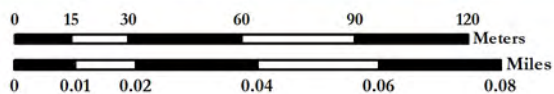
REDACTED

Matador's Big Bull Site  
Ensolum, LLC  
T21S R32E Sec. 1  
Laguna Gatuna(1984) Quad. Map  
Upper Pecos-Black Drainage  
Lea County, New Mexico



## Legend

- |  |                                  |   |                    |
|--|----------------------------------|---|--------------------|
|  | Inventory Area (2.28 Acres)      |  | Cultural Resources |
|  | Previously Surveyed (1.59 Acres) |   | Not Eligible Site  |
|  | Workspace Limits (0.38 Acres)    |   |                    |



Base Map: USGS 7.5'  
Scale: 1:2,000  
UTM NAD83 Zone 13

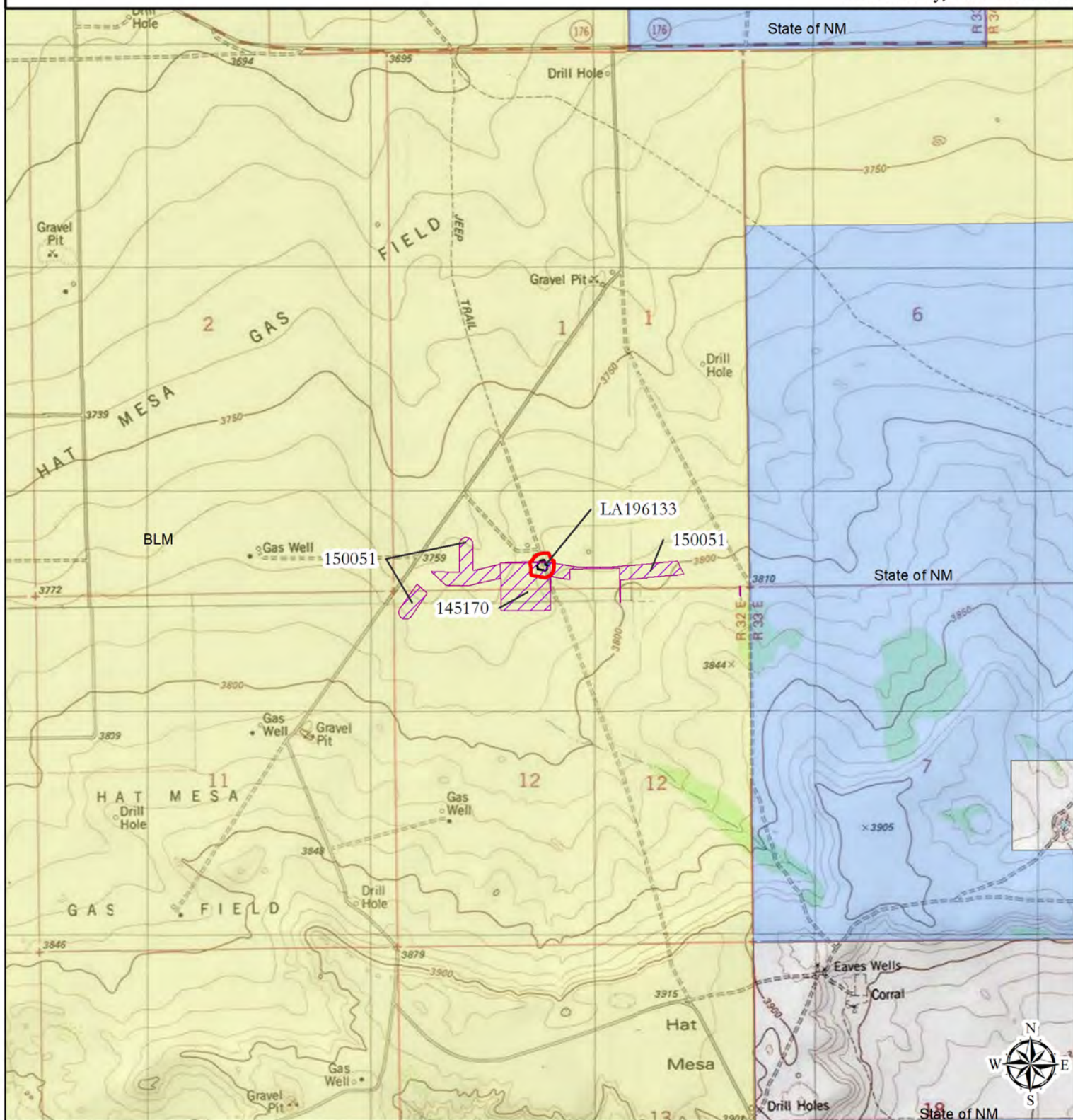




**Beaver Creek**  
ARCHAEOLOGY

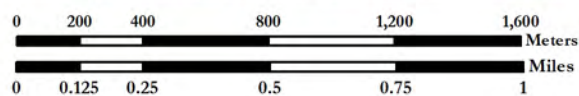
REDACTED

Matador's Big Bull Site  
Ensolum, LLC  
T21S R32E Sec. 1  
Laguna Gatuna(1984) Quad. Map  
Upper Pecos-Black Drainage  
Lea County, New Mexico



## Legend

- |   |  |
|---|--|
| <span style="border: 2px solid red; display: inline-block; width: 20px; height: 10px;"></span> Inventory Area (2.28 Acres)                                | <span style="background-color: blue; display: inline-block; width: 20px; height: 10px;"></span> Cultural Resources     |
| <span style="background-color: pink; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Previously Surveyed (1.59 Acres) | <span style="background-color: lightblue; display: inline-block; width: 20px; height: 10px;"></span> Not Eligible Site |
| <span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> Workspace Limits (0.38 Acres)                            |  |



Base Map: USGS 7.5'  
Scale: 1:24,000  
UTM NAD83 Zone 13

Photo Log of Remediation for Matador’s Big Bull Site

BCA Project #: 2025-1732 Crew: Juan Arias Camera #: IMG

Table 1. Photo Log

Date	Frame #	Direction	Photographer	Easting	Northing	Description
08/9/2025	IMG-2	NW	Juan Arias	628777	3596866	Overview of survey area from SE corner
08/9/2025	IMG-3	E	Juan Arias	628675	3596873	Overview of survey area from SW corner
08/9/2025	IMG-4	E	Juan Arias	628707	3596860	Overview of of impact area



Figure 1. Overview of survey area from SE corner.





**Figure 2.** Overview of survey area from SW corner.



**Figure 3.** Overview of impact area.





## APPENDIX C

### Photographic Log

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## Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395



Photograph 1

Date: 5/24/2025

Description: Lease Sign

View: North



Photograph 2

Date: 5/24/2025

Description: On-pad Spill Area

View: East



Photograph 3

Date: 5/24/2025

Description: On-pad Spill Area

View: East



Photograph 4

Date: 5/24/2025

Description: Off-pad Overspray Area

View:





## Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395



Photograph 5 Date: 5/24/2025  
Description: Off-pad Overspray Area  
View: East



Photograph 6 Date: 5/24/2025  
Description: On-pad Spill Area  
View: Southeast



Photograph 7 Date: 5/30/2025  
Description: One-call Area  
View: Southwest



Photograph 8 Date: 5/30/2025  
Description: One-call Area  
View: North





## Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395



Photograph 9 Date: 6/9/2025  
Description: Delineation Soil Sampling (SS11)  
View: North



Photograph 10 Date: 6/23/2025  
Description: Delineation Soil Sampling (SS11)  
View: North



Photograph 11 Date: 6/23/2025  
Description: Delineation Soil Sampling (SS10)  
View: West



Photograph 12 Date: 07/16/2025  
Description: Delineation Soil Sampling (SS09)  
View: West





## Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395

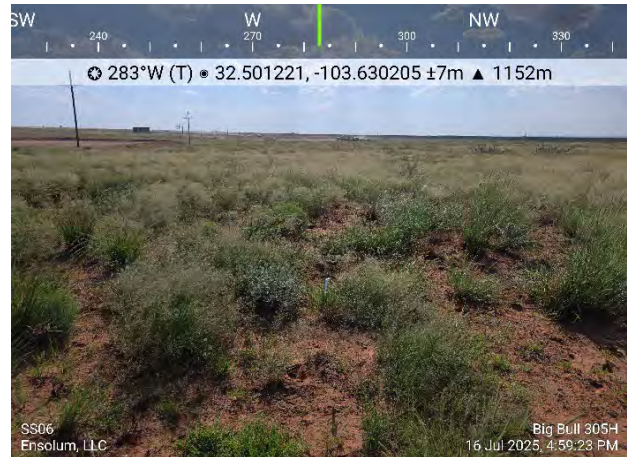


Photograph 13

Date: 07/16/2025

Description: Delineation Soil Sampling (SS03)

View: Southwest

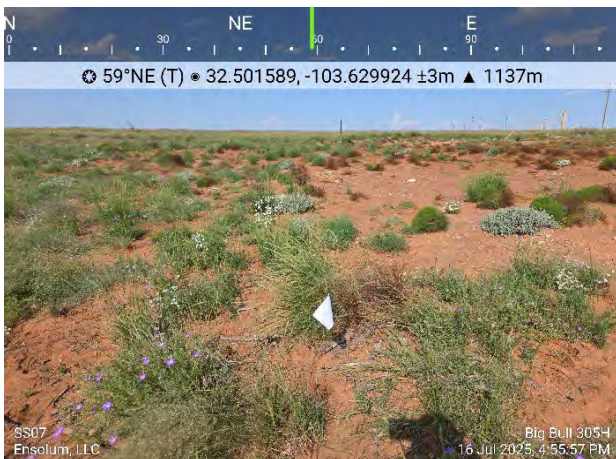


Photograph 14

Date: 07/16/2025

Description: Delineation Soil Sampling (SS06)

View: West



Photograph 15

Date: 07/16/2025

Description: Delineation Soil Sampling (SS07)

View: Northeast



Photograph 16

Date: 07/16/2025

Description: Delineation Soil Sampling (SS08)

View: West



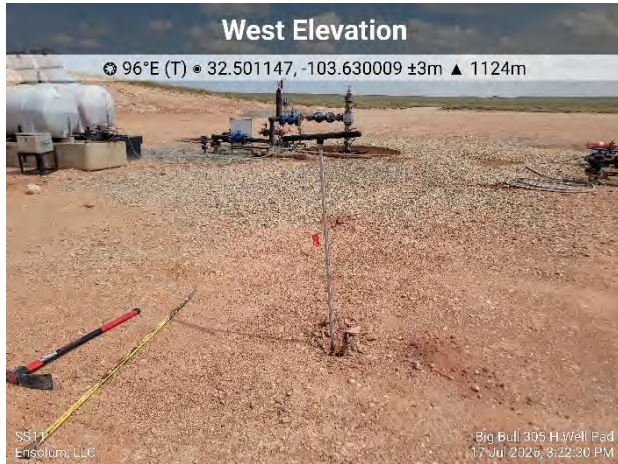


# Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395



Photograph 17 Date: 7/17/2025  
Description: Delineation Soil Sampling (SS11)  
View: West



Photograph 18 Date: 7/17/2025  
Description: Delineation Soil Sampling (BH01)  
View: South



Photograph 19 Date: 7/17/2025  
Description: Delineation Soil Sampling (BH02)  
View: West



Photograph 20 Date: 07/18/2025  
Description: Delineation Soil Sampling (BH03)  
View: East



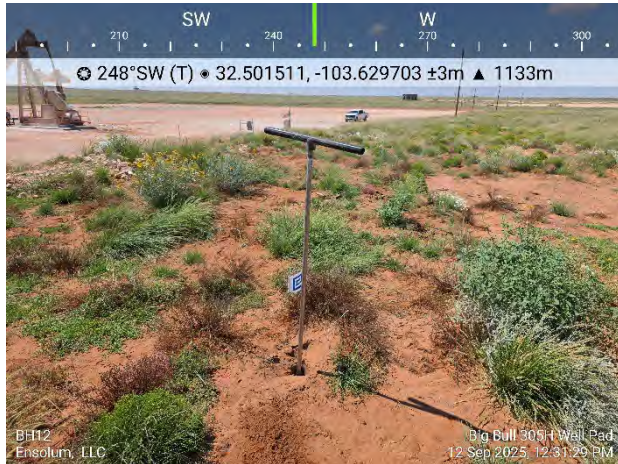


# Photographic Log

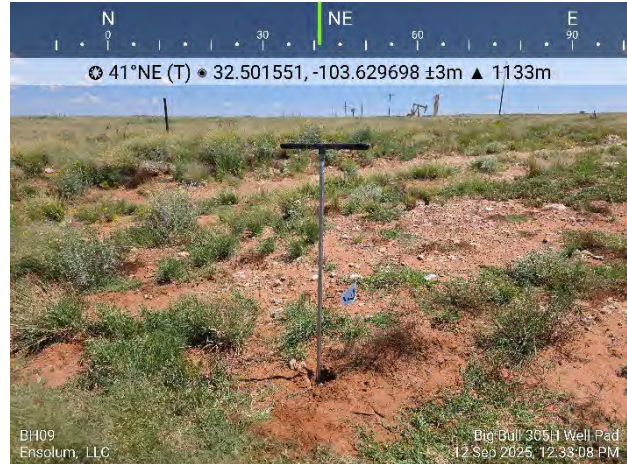
Matador Production

Big Bull Federal Com #305H

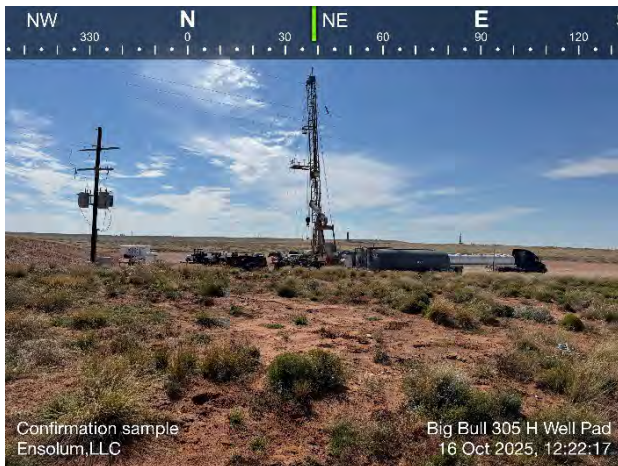
nAPP2514723395



Photograph 21 Date: 9/12/2025  
Description: Delineation Soil Sampling (BH12)  
View: Southwest



Photograph 22 Date: 9/12/2025  
Description: Delineation Soil Sampling (BH09)  
View: Northeast



Photograph 23 Date: 10/16/2025  
Description: Confirmation Soil Sampling (Off-Pad)  
View: Northeast



Photograph 24 Date: 10/16/2025  
Description: Confirmation Soil Sampling (Off-Pad)  
View: West





# Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395



Photograph 25

Date: 10/20/2025

Description: Excavation Activities (On-Pad)

View: Northeast



Photograph 26

Date: 10/20/2025

Description: Excavation Activities (On-Pad)

View: Northeast



Photograph 27

Date: 10/21/2025

Description: Excavation Activities (On-Pad)

View: Northwest



Photograph 28

Date: 10/21/2025

Description: Excavation Activities (On-Pad)

View: West





# Photographic Log

Matador Production

Big Bull Federal Com #305H

nAPP2514723395



Photograph 29 Date: 10/22/202  
Description: Delineation Soil Sampling (BH12)  
View: South



Photograph 30 Date: 10/22/2025  
Description: Delineation Soil Sampling (BH09)  
View: Southeast



Photograph 31 Date: 10/23/2025  
Description: Confirmation Soil Sampling (Off-Pad)  
View: East



Photograph 32 Date: 10/23/2025  
Description: Confirmation Soil Sampling (Off-Pad)  
View: Northeast





## APPENDIX D


### Lithologic Soil Sampling Logs


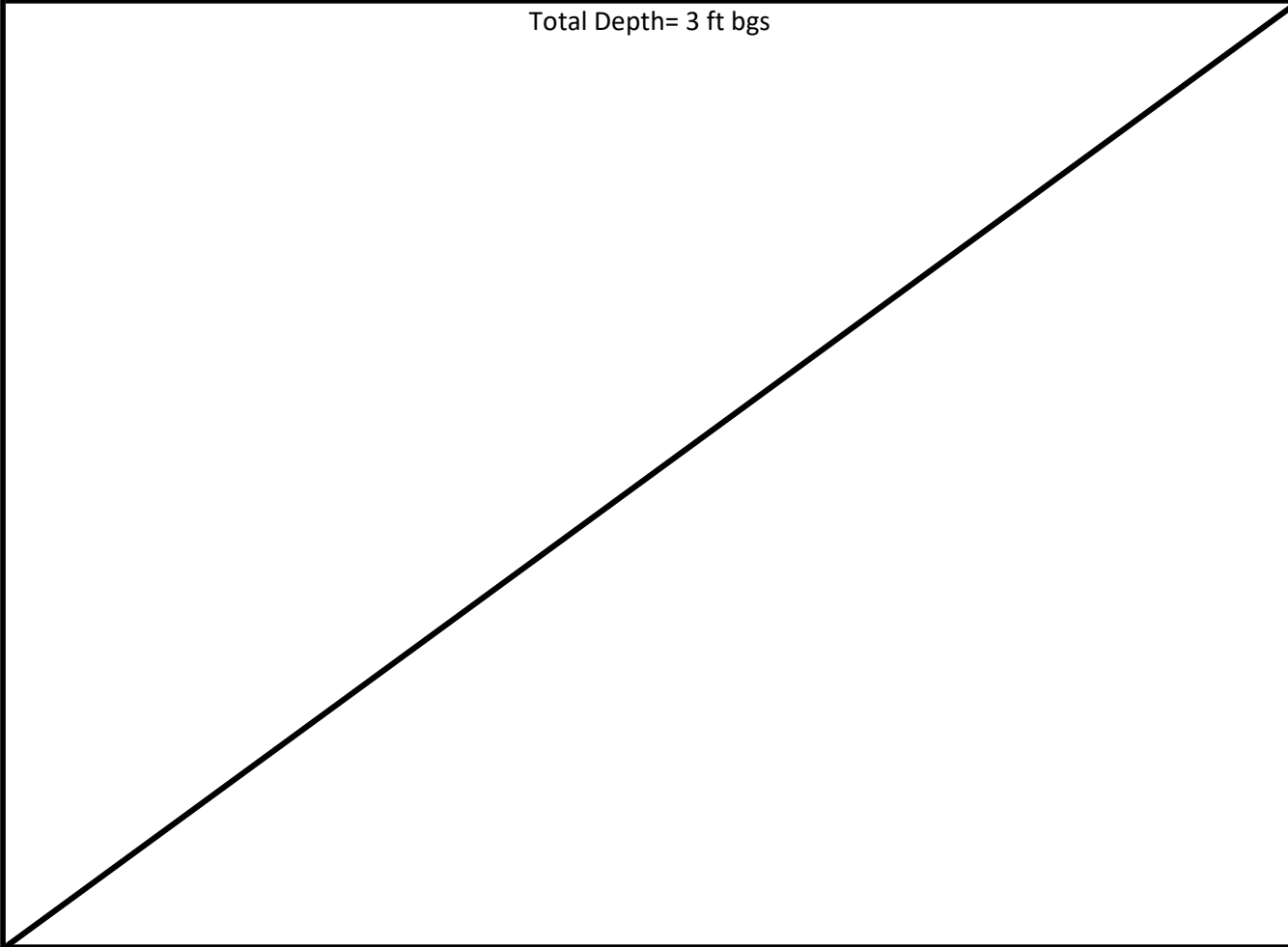
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 <b>ENSOLUM</b>		Sample Name: BH01		Date: 7/17/25				
		Site Name: Big Bull 305 H Well Pad						
		Incident Number: nAPP2514723395						
		Job Number: 03A2270103						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.501334, -103.630179			Logged By: AK		Method: Auger			
			Hole Diameter: 3"		Total Depth: 3'			
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	257  ND	59	Y	BH01	0	0	SW	Brown Well Graded Sand, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive, No Stain
					1	1		
			N		2	2	CCHE	Tan Caliche, Well Graded, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive, No Stain
					3	3		
Total Depth = 3 ft								


 <b>ENSOLUM</b>								Sample Name: BH02		Date: 7/17/25	
								Site Name: Big Bull 305 H Well Pad			
								Incident Number: nAPP2514723395			
								Job Number: 03A2270103			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: AK		Method: Auger	
Coordinates: 32.501321, -103.630052								Hole Diameter: 3"		Total Depth: 4"	
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	1,724		Y	BH02	0	0	SW	Brown Well Graded Sand, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive, No Stain			
	1,114				1	1	CCHE	Tan Caliche, Well Graded, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive, No Stain			
	ND	24	N		2	2					
	ND				3	3	SP	Brown Poorly Graded Sand, Medium Grain, Non-Plastic, Non-Cohesive, Massive, Non-Stain			
	ND				4	4					
Total Depth = 4 ft bgs											

 <b>ENSOLUM</b>		Sample Name: BH03		Date: 7/18/25				
		Site Name: Big Bull 305 H Well Pad						
		Incident Number: nAPP2514723395						
		Job Number: 03A2270103						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.501326, -103.629924			Logged By: AK		Method: Auger			
			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	ND	66	Y N	BH03	0 1 2	0 1 2	SW	Brown Well Graded Sand, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive
Total depth = 2 ft bgs								

 <b>ENSOLUM</b>		Sample Name: BH04		Date: 7/18/25				
		Site Name: Big Bull 305 H Well Pad						
		Incident Number: nAPP2514723395						
		Job Number: 03A2270103						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.501280, -103.629798			Logged By: AK		Method::Auger			
			Hole Diameter: 3"		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, 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	297	25	Y	BH03	0	0	SP	Brown Well Graded Sand, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive
					1	1		
	224	N	2		2			
	190		3		3	CCHE	Tan Caliche, Well Graded, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive, No Stain	
Total Depth= 3 ft bgs								



 <b>ENSOLUM</b>								Sample Name: BH05		Date: 7/18/25	
								Site Name: Big Bull 305 H Well Pad			
								Incident Number: nAPP2514723395			
								Job Number: 03A2270103			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: AK		Method: Auger	
Coordinates: 32.501333, -103.629695								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	297  257	56	Y  N	BH05	0	0	CCHE	Tan Caliche, Well Graded, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive			
					1	1					
					2	2		SP	Brown Well Graded Sand, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive		
Total Depth = 2 ft bgs											

 <b>ENSOLUM</b>		Sample Name: BH05		Date: 7/18/25				
		Site Name: Big Bull 305 H Well Pad						
		Incident Number: nAPP2514723395						
		Job Number: 03A2270103						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.501395, -103.629831			Logged By: AK		Method: 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	ND	51	Y N	BH06	0 1	0 1	CCHE	Tan Caliche, Well Graded, Fine to Gravel, Non-Plastic, Non-Cohesive, Massive
Total Depth = 1 ft bgs								

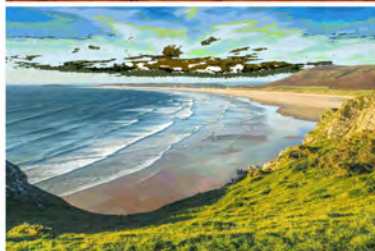


## APPENDIX E

### Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E506227

Job Number: 23003-0002

Received: 6/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/1/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 7/1/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E506227  
Date Received: 6/25/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/25/2025 8:00:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto: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](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/01/25 15:19
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS10-0'	E506227-01A	Soil	06/23/25	06/25/25	Glass Jar, 2 oz.
SS10-1'	E506227-02A	Soil	06/23/25	06/25/25	Glass Jar, 2 oz.
SS11-0'	E506227-03A	Soil	06/23/25	06/25/25	Glass Jar, 2 oz.
SS11-1'	E506227-04A	Soil	06/23/25	06/25/25	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/1/2025 3:19:42PM

**SS10-0'**

**E506227-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2526076	
Benzene	ND	0.0250	1	06/24/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/24/25	07/01/25	
Toluene	ND	0.0250	1	06/24/25	07/01/25	
o-Xylene	ND	0.0250	1	06/24/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/24/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/24/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/24/25	07/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2526076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	06/24/25	07/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2526124	
Diesel Range Organics (C10-C28)	37.8	25.0	1	06/26/25	07/01/25	
Oil Range Organics (C28-C36)	65.4	50.0	1	06/26/25	07/01/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	06/26/25	07/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2526133	
Chloride	69.2	20.0	1	06/26/25	06/27/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/1/2025 3:19:42PM

SS10-1'

E506227-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526076
Benzene	ND	0.0250	1	06/24/25	06/27/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/27/25	
Toluene	ND	0.0250	1	06/24/25	06/27/25	
o-Xylene	ND	0.0250	1	06/24/25	06/27/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/27/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/24/25	06/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	06/24/25	06/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2526124
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/25	06/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/25	06/30/25	
<i>Surrogate: n-Nonane</i>						
		86.1 %	61-141	06/26/25	06/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2526133
Chloride	163	20.0	1	06/26/25	06/27/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/1/2025 3:19:42PM

SS11-0'

E506227-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526076
Benzene	ND	0.0250	1	06/24/25	06/27/25	
Ethylbenzene	ND	0.0250	1	06/24/25	06/27/25	
Toluene	ND	0.0250	1	06/24/25	06/27/25	
o-Xylene	ND	0.0250	1	06/24/25	06/27/25	
p,m-Xylene	ND	0.0500	1	06/24/25	06/27/25	
Total Xylenes	ND	0.0250	1	06/24/25	06/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/24/25	06/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2526076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	06/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	06/24/25	06/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2526124
Diesel Range Organics (C10-C28)	174	25.0	1	06/26/25	06/30/25	
Oil Range Organics (C28-C36)	253	50.0	1	06/26/25	06/30/25	
<i>Surrogate: n-Nonane</i>						
		98.9 %	61-141	06/26/25	06/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2526133
Chloride	231	20.0	1	06/26/25	06/27/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/1/2025 3:19:42PM

SS11-1'

E506227-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2526076	
Benzene	ND	0.0250	1	06/24/25	07/01/25	
Ethylbenzene	ND	0.0250	1	06/24/25	07/01/25	
Toluene	ND	0.0250	1	06/24/25	07/01/25	
o-Xylene	ND	0.0250	1	06/24/25	07/01/25	
p,m-Xylene	ND	0.0500	1	06/24/25	07/01/25	
Total Xylenes	ND	0.0250	1	06/24/25	07/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.9 %	70-130		06/24/25	07/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2526076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/24/25	07/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.8 %	70-130		06/24/25	07/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2526124	
Diesel Range Organics (C10-C28)	42.5	25.0	1	06/26/25	06/30/25	
Oil Range Organics (C28-C36)	63.4	50.0	1	06/26/25	06/30/25	
<i>Surrogate: n-Nonane</i>	101 %	61-141		06/26/25	06/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2526133	
Chloride	432	20.0	1	06/26/25	06/27/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/1/2025 3:19:42PM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2526076-BLK1)

Prepared: 06/24/25 Analyzed: 06/27/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			

## LCS (2526076-BS1)

Prepared: 06/24/25 Analyzed: 06/27/25

Benzene	5.14	0.0250	5.00		103	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130			

## Matrix Spike (2526076-MS1)

Source: E506225-01

Prepared: 06/24/25 Analyzed: 06/27/25

Benzene	5.46	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130			
Toluene	5.42	0.0250	5.00	ND	108	70-130			
o-Xylene	5.24	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			

## Matrix Spike Dup (2526076-MSD1)

Source: E506225-01

Prepared: 06/24/25 Analyzed: 06/27/25

Benzene	5.44	0.0250	5.00	ND	109	70-130	0.380	27	
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130	0.0356	26	
Toluene	5.41	0.0250	5.00	ND	108	70-130	0.149	20	
o-Xylene	5.26	0.0250	5.00	ND	105	70-130	0.311	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	0.0797	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	0.156	26	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/1/2025 3:19:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2526076-BLK1) Prepared: 06/24/25 Analyzed: 06/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

LCS (2526076-BS2) Prepared: 06/24/25 Analyzed: 06/27/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike (2526076-MS2) Source: E506225-01 Prepared: 06/24/25 Analyzed: 06/27/25

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2526076-MSD2) Source: E506225-01 Prepared: 06/24/25 Analyzed: 06/27/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	1.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/1/2025 3:19:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2526124-BLK1)					Prepared: 06/26/25 Analyzed: 06/30/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.7	61-141			

LCS (2526124-BS1)					Prepared: 06/26/25 Analyzed: 06/30/25				
Diesel Range Organics (C10-C28)	293	25.0	250		117	66-144			
Surrogate: n-Nonane	49.6		50.0		99.3	61-141			

Matrix Spike (2526124-MS1)					Source: E506227-02		Prepared: 06/26/25 Analyzed: 06/30/25		
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			

Matrix Spike Dup (2526124-MSD1)					Source: E506227-02		Prepared: 06/26/25 Analyzed: 06/30/25		
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	56-156	1.07	20	
Surrogate: n-Nonane	47.5		50.0		94.9	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  7/1/2025 3:19:42PM
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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
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Blank (2526133-BLK1)					Prepared: 06/26/25 Analyzed: 06/27/25				
Chloride	ND	20.0							
LCS (2526133-BS1)					Prepared: 06/26/25 Analyzed: 06/27/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2526133-MS1)					Source: E506223-03		Prepared: 06/26/25 Analyzed: 06/27/25		
Chloride	366	20.0	250	111	102	80-120			
Matrix Spike Dup (2526133-MSD1)					Source: E506223-03		Prepared: 06/26/25 Analyzed: 06/27/25		
Chloride	371	20.0	250	111	104	80-120	1.18	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/01/25 15:19

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## Chain of Custody

Page 1 of 1

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: Big Bull 305 H Well Pad				Address: 3122 National Parks Hwy				E5016221		23003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA
10:00	6/23/2025	S	1	SS10-0'		1						X								
10:55	6/23/2025	S	1	SS10-1'		2						X								
11:36	6/23/2025	S	1	SS11-0'		3						X								
11:56	6/23/2025	S	1	SS11-1'		4						X								

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Aoubakar Kone

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 day. <b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
<i>[Signature]</i>	6/24/25	7:11	<i>Michelle Gonzales</i>	6-24-25	6711	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	6-24-25	1320	<i>Marissa Gonzales</i>	6-24-25	1320	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Marissa Gonzales</i>	6-24-25	1825	<i>Eden M.</i>	6-24-25	1825	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Eden M.</i>	6-24-25	2300	<i>Carth Man</i>	6-25-25	800	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



envirotech

## Envirotech Analytical Laboratory

Printed: 6/25/2025 9:23:03AM

## 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:	06/25/25 08:00	Work Order ID:	E506227
Phone:	(972) 371-5200	Date Logged In:	06/24/25 14:40	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/01/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull Fed Com #305H

Work Order: E507210

Job Number: 23003-0002

Received: 7/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/25/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 7/25/25

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



Project Name: Big Bull Fed Com #305H  
Workorder: E507210  
Date Received: 7/18/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/18/2025 7:30:00AM, under the Project Name: Big Bull Fed Com #305H.

The analytical test results summarized in this report with the Project Name: Big Bull Fed Com #305H 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  
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull Fed Com #305H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/25/25 11:16
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03-0'	E507210-01A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.
SS04-0'	E507210-02A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.
SS05-0'	E507210-03A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.
SS06-0'	E507210-04A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.
SS07-0'	E507210-05A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.
SS08-0'	E507210-06A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.
SS09-0'	E507210-07A	Soil	07/16/25	07/18/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

**SS03-0'**

**E507210-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	07/21/25	07/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	07/21/25	07/23/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	07/21/25	07/23/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	07/21/25	07/23/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/23/25	
<i>Surrogate: n-Nonane</i>		83.0 %	61-141	07/23/25	07/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	



## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

SS04-0'

E507210-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		106 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		102 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		106 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		102 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/24/25	
Surrogate: n-Nonane		83.0 %	61-141	07/23/25	07/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	





## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

SS05-0'

E507210-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		107 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		103 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		107 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		103 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/24/25	
Surrogate: n-Nonane		82.2 %	61-141	07/23/25	07/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	



## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

SS06-0'

E507210-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		107 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		104 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		107 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		104 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/24/25	
Surrogate: n-Nonane		80.6 %	61-141	07/23/25	07/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	



## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

SS07-0'

E507210-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		108 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		105 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		108 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		105 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/24/25	
Surrogate: n-Nonane		83.1 %	61-141	07/23/25	07/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	



## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

SS08-0'

E507210-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		105 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		103 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		105 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		103 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/24/25	
Surrogate: n-Nonane		84.3 %	61-141	07/23/25	07/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	





## Sample Data

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

Project Name: Big Bull Fed Com #305H  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/25/2025 11:16:46AM

SS09-0'

E507210-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Benzene	ND	0.0250	1	07/21/25	07/23/25	
Ethylbenzene	ND	0.0250	1	07/21/25	07/23/25	
Toluene	ND	0.0250	1	07/21/25	07/23/25	
o-Xylene	ND	0.0250	1	07/21/25	07/23/25	
p,m-Xylene	ND	0.0500	1	07/21/25	07/23/25	
Total Xylenes	ND	0.0250	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		107 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		102 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530034
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/25	07/23/25	
Surrogate: Bromofluorobenzene		107 %	70-130	07/21/25	07/23/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/21/25	07/23/25	
Surrogate: Toluene-d8		102 %	70-130	07/21/25	07/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2530092
Diesel Range Organics (C10-C28)	29.0	25.0	1	07/23/25	07/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/24/25	
Surrogate: n-Nonane		85.3 %	61-141	07/23/25	07/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2530100
Chloride	ND	20.0	1	07/23/25	07/24/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull Fed Com #305H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/25/2025 11:16:46AM

## Volatile Organic Compounds by EPA 8260B

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
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## Blank (2530034-BLK1)

Prepared: 07/21/25 Analyzed: 07/23/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## LCS (2530034-BS1)

Prepared: 07/21/25 Analyzed: 07/23/25

Benzene	2.15	0.0250	2.50		86.0	70-130			
Ethylbenzene	2.19	0.0250	2.50		87.5	70-130			
Toluene	2.12	0.0250	2.50		84.6	70-130			
o-Xylene	2.13	0.0250	2.50		85.3	70-130			
p,m-Xylene	4.42	0.0500	5.00		88.5	70-130			
Total Xylenes	6.56	0.0250	7.50		87.4	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## Matrix Spike (2530034-MS1)

Source: E507210-07

Prepared: 07/21/25 Analyzed: 07/23/25

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.64	0.0250	2.50	ND	106	45-135			
Toluene	2.56	0.0250	2.50	ND	102	48-130			
o-Xylene	2.55	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.28	0.0500	5.00	ND	106	43-135			
Total Xylenes	7.84	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

## Matrix Spike Dup (2530034-MSD1)

Source: E507210-07

Prepared: 07/21/25 Analyzed: 07/23/25

Benzene	2.32	0.0250	2.50	ND	92.8	48-131	10.7	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	9.11	27	
Toluene	2.32	0.0250	2.50	ND	92.9	48-130	9.69	24	
o-Xylene	2.38	0.0250	2.50	ND	95.1	43-135	7.14	27	
p,m-Xylene	4.90	0.0500	5.00	ND	98.1	43-135	7.42	27	
Total Xylenes	7.28	0.0250	7.50	ND	97.1	43-135	7.33	27	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.523		0.500		105	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



## QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull Fed Com #305H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/25/2025 11:16:46AM
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## 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
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## Blank (2530034-BLK1)

Prepared: 07/21/25 Analyzed: 07/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## LCS (2530034-BS2)

Prepared: 07/21/25 Analyzed: 07/23/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: Bromofluorobenzene	0.548		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## Matrix Spike (2530034-MS2)

Source: E507210-07

Prepared: 07/21/25 Analyzed: 07/23/25

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## Matrix Spike Dup (2530034-MSD2)

Source: E507210-07

Prepared: 07/21/25 Analyzed: 07/23/25

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130	2.36	20	
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull Fed Com #305H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/25/2025 11:16:46AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530092-BLK1)					Prepared: 07/23/25 Analyzed: 07/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.7		50.0		83.4	61-141			

LCS (2530092-BS1)					Prepared: 07/23/25 Analyzed: 07/23/25				
Diesel Range Organics (C10-C28)	220	25.0	250		88.1	66-144			
Surrogate: n-Nonane	42.2		50.0		84.3	61-141			

Matrix Spike (2530092-MS1)					Source: E507210-02		Prepared: 07/23/25 Analyzed: 07/23/25		
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	56-156			
Surrogate: n-Nonane	41.5		50.0		83.0	61-141			

Matrix Spike Dup (2530092-MSD1)					Source: E507210-02		Prepared: 07/23/25 Analyzed: 07/23/25		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156	3.37	20	
Surrogate: n-Nonane	41.5		50.0		83.1	61-141			





QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull Fed Com #305H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  7/25/2025 11:16:46AM
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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
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Blank (2530100-BLK1)					Prepared: 07/23/25 Analyzed: 07/24/25				
Chloride	ND	20.0							
LCS (2530100-BS1)					Prepared: 07/23/25 Analyzed: 07/24/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2530100-MS1)					Source: E507210-03		Prepared: 07/23/25 Analyzed: 07/24/25		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2530100-MSD1)					Source: E507210-03		Prepared: 07/23/25 Analyzed: 07/24/25		
Chloride	255	20.0	250	ND	102	80-120	0.0869	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull Fed Com #305H	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/25/25 11:16

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.



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 Name: Big Bull Fed Com 305H				Address: 3122 National Parks Hwy		E501210	230030002				X	X									
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: 575-988-0055																	
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																	
Phone: 575-988-0055				Miscellaneous:																	
Email: agiovengo@ensolum.com																					
Sample Information						Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
																	Compliance	Y	or	N	
																	PWSID #				
																	Sample Temp			Remarks	
1447	7/16/25	Soil	1	SS03-0'		1								+			2.5				
1443				04-0'		2								+			3.0				
1442				05-0'		3								+			2.2				
0854				06-0'		4								+			2.6				
1119				07-0'		5								+			2.5				
0900				08-0'		6								+			3.2				
1441				09-0'		7								+			2.4				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, gsanchez@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: <u>Jenna Hinkle</u>																					
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y) N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Jenna Hinkle		7/17/2025		7:00		Mariana Gonzalez		7-17-25		1527											
		7-17-25		1445		Mariana Gonzalez		7-17-25		1445											
Mariana Gonzalez		7-17-25		1945		J.H.		7-17-25		1945											
J.H.		7-18-25		0130		Caitlin Yoon		7-18-25		430											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Envirotech Analytical Laboratory

Printed: 7/18/2025 9:11:05AM

## 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:	07/18/25 07:30	Work Order ID:	E507210
Phone:	(972) 371-5200	Date Logged In:	07/17/25 15:42	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/25/25 17:00 (5 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.

Comments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:  
Ashley Giovengo



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E507227

Job Number: 23003-0002

Received: 7/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/29/25

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: 7/29/25



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

Project Name: Big Bull 305 H Well Pad  
Workorder: E507227  
Date Received: 7/21/2025 7:45:05AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/21/2025 7:45:05AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/29/25 12:29
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E507227-01A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH01-1'	E507227-02A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH01-2'	E507227-03A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH02-0'	E507227-04A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH02-1'	E507227-05A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH02-2'	E507227-06A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.
BH02-3'	E507227-07A	Soil	07/17/25	07/21/25	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

**BH01-0'**

**E507227-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	<b>0.136</b>	0.0250	1	07/22/25	07/25/25	
Toluene	ND	0.0250	1	07/22/25	07/25/25	
o-Xylene	<b>0.400</b>	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	<b>0.659</b>	0.0500	1	07/22/25	07/25/25	
Total Xylenes	<b>1.06</b>	0.0250	1	07/22/25	07/25/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/22/25	07/25/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	07/22/25	07/25/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	<b>41.4</b>	20.0	1	07/22/25	07/25/25	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	07/22/25	07/25/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	07/22/25	07/25/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	<b>30100</b>	250	10	07/23/25	07/28/25	
Oil Range Organics (C28-C36)	<b>12800</b>	500	10	07/23/25	07/28/25	
<i>Surrogate: n-Nonane</i>		99.0 %	61-141	07/23/25	07/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	<b>23.2</b>	20.0	1	07/24/25	07/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

BH01-1'

E507227-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	ND	0.0250	1	07/22/25	07/25/25	
Toluene	ND	0.0250	1	07/22/25	07/25/25	
o-Xylene	ND	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	ND	0.0500	1	07/22/25	07/25/25	
Total Xylenes	ND	0.0250	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		113 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		106 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		113 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		106 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	304	25.0	1	07/23/25	07/29/25	
Oil Range Organics (C28-C36)	145	50.0	1	07/23/25	07/29/25	
Surrogate: n-Nonane		84.2 %	61-141	07/23/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	163	20.0	1	07/24/25	07/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

BH01-2'

E507227-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	ND	0.0250	1	07/22/25	07/25/25	
Toluene	ND	0.0250	1	07/22/25	07/25/25	
o-Xylene	ND	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	ND	0.0500	1	07/22/25	07/25/25	
Total Xylenes	ND	0.0250	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		109 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		105 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		109 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		105 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/28/25	
Surrogate: n-Nonane		87.5 %	61-141	07/23/25	07/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	323	20.0	1	07/24/25	07/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

BH02-0'

E507227-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	<b>0.311</b>	0.0250	1	07/22/25	07/25/25	
Toluene	<b>0.0295</b>	0.0250	1	07/22/25	07/25/25	
o-Xylene	<b>0.805</b>	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	<b>1.19</b>	0.0500	1	07/22/25	07/25/25	
Total Xylenes	<b>2.00</b>	0.0250	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		117 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		107 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	<b>62.7</b>	20.0	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		117 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		107 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	<b>25800</b>	250	10	07/23/25	07/28/25	
Oil Range Organics (C28-C36)	<b>9830</b>	500	10	07/23/25	07/28/25	
Surrogate: n-Nonane		114 %	61-141	07/23/25	07/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	<b>3160</b>	40.0	2	07/24/25	07/25/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

BH02-1'

E507227-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	ND	0.0250	1	07/22/25	07/25/25	
Toluene	ND	0.0250	1	07/22/25	07/25/25	
o-Xylene	ND	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	ND	0.0500	1	07/22/25	07/25/25	
Total Xylenes	ND	0.0250	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		111 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		107 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		111 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		107 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	26.2	25.0	1	07/23/25	07/28/25	
Oil Range Organics (C28-C36)	59.5	50.0	1	07/23/25	07/28/25	
Surrogate: n-Nonane		87.6 %	61-141	07/23/25	07/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	1760	20.0	1	07/24/25	07/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

BH02-2'

E507227-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	ND	0.0250	1	07/22/25	07/25/25	
Toluene	ND	0.0250	1	07/22/25	07/25/25	
o-Xylene	ND	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	ND	0.0500	1	07/22/25	07/25/25	
Total Xylenes	ND	0.0250	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		113 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		106 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		113 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		106 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/28/25	
Surrogate: n-Nonane		89.9 %	61-141	07/23/25	07/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	1050	20.0	1	07/24/25	07/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/29/2025 12:29:26PM

BH02-3'

E507227-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Benzene	ND	0.0250	1	07/22/25	07/25/25	
Ethylbenzene	ND	0.0250	1	07/22/25	07/25/25	
Toluene	ND	0.0250	1	07/22/25	07/25/25	
o-Xylene	ND	0.0250	1	07/22/25	07/25/25	
p,m-Xylene	ND	0.0500	1	07/22/25	07/25/25	
Total Xylenes	ND	0.0250	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		111 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		106 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2530047
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/25	07/25/25	
Surrogate: Bromofluorobenzene		111 %	70-130	07/22/25	07/25/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/22/25	07/25/25	
Surrogate: Toluene-d8		106 %	70-130	07/22/25	07/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2530106
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/25	07/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/25	07/28/25	
Surrogate: n-Nonane		89.3 %	61-141	07/23/25	07/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2530123
Chloride	37.6	20.0	1	07/24/25	07/24/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/29/2025 12:29:26PM

## 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
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## Blank (2530047-BLK1)

Prepared: 07/22/25 Analyzed: 07/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

## LCS (2530047-BS1)

Prepared: 07/22/25 Analyzed: 07/25/25

Benzene	2.45	0.0250	2.50		98.1	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.50	0.0250	2.50		100	70-130			
o-Xylene	2.61	0.0250	2.50		105	70-130			
p,m-Xylene	5.18	0.0500	5.00		104	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

## Matrix Spike (2530047-MS1)

Source: E507227-03

Prepared: 07/22/25 Analyzed: 07/25/25

Benzene	2.29	0.0250	2.50	ND	91.6	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.2	45-135			
Toluene	2.32	0.0250	2.50	ND	93.0	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.2	43-135			
p,m-Xylene	4.74	0.0500	5.00	ND	94.8	43-135			
Total Xylenes	7.15	0.0250	7.50	ND	95.3	43-135			
Surrogate: Bromofluorobenzene	0.558		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

## Matrix Spike Dup (2530047-MSD1)

Source: E507227-03

Prepared: 07/22/25 Analyzed: 07/25/25

Benzene	2.25	0.0250	2.50	ND	89.9	48-131	1.92	23	
Ethylbenzene	2.35	0.0250	2.50	ND	94.0	45-135	3.33	27	
Toluene	2.23	0.0250	2.50	ND	89.3	48-130	4.02	24	
o-Xylene	2.29	0.0250	2.50	ND	91.6	43-135	4.90	27	
p,m-Xylene	4.51	0.0500	5.00	ND	90.2	43-135	5.07	27	
Total Xylenes	6.80	0.0250	7.50	ND	90.6	43-135	5.01	27	
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/29/2025 12:29:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530047-BLK1) Prepared: 07/22/25 Analyzed: 07/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

LCS (2530047-BS2) Prepared: 07/22/25 Analyzed: 07/25/25

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

Matrix Spike (2530047-MS2) Source: E507227-03 Prepared: 07/22/25 Analyzed: 07/25/25

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike Dup (2530047-MSD2) Source: E507227-03 Prepared: 07/22/25 Analyzed: 07/25/25

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	2.84	20	
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/29/2025 12:29:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530106-BLK1)					Prepared: 07/23/25 Analyzed: 07/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.4		50.0		88.8	61-141			

LCS (2530106-BS1)					Prepared: 07/23/25 Analyzed: 07/24/25				
Diesel Range Organics (C10-C28)	247	25.0	250		98.9	66-144			
Surrogate: n-Nonane	44.7		50.0		89.4	61-141			

Matrix Spike (2530106-MS1)					Source: E507227-02		Prepared: 07/23/25 Analyzed: 07/24/25		
Diesel Range Organics (C10-C28)	541	25.0	250	304	94.8	56-156			
Surrogate: n-Nonane	45.1		50.0		90.2	61-141			

Matrix Spike Dup (2530106-MSD1)					Source: E507227-02		Prepared: 07/23/25 Analyzed: 07/24/25		
Diesel Range Organics (C10-C28)	523	25.0	250	304	87.6	56-156	3.36	20	
Surrogate: n-Nonane	44.7		50.0		89.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  7/29/2025 12:29:26PM
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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
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Blank (2530123-BLK1)					Prepared: 07/24/25 Analyzed: 07/24/25				
Chloride	ND	20.0							
LCS (2530123-BS1)					Prepared: 07/24/25 Analyzed: 07/24/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2530123-MS1)					Source: E507227-07		Prepared: 07/24/25 Analyzed: 07/24/25		
Chloride	285	20.0	250	37.6	98.8	80-120			
Matrix Spike Dup (2530123-MSD1)					Source: E507227-07		Prepared: 07/24/25 Analyzed: 07/24/25		
Chloride	285	20.0	250	37.6	98.8	80-120	0.0495	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/29/25 12:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## Chain of Custody

Page 1 of 1

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: Big Bull 305 H Well Pad				Address: 3122 National Parks Hwy		E551227		23083-002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	

Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Remarks			
15:25	7/17/2025	S	1	BH01-0'		1						X							3.8
15:31	7/17/2025	S	1	BH01-1'		2						X							3.6
15:35	7/17/2025	S	1	BH01-2'		3						X							4.0
16:11	7/17/2025	S	1	BH02-0'		4						X							4.0
16:23	7/17/2025	S	1	BH02-1'		5						X							3.9
16:27	7/17/2025	S	1	BH02-2'		6						X							4.1
16:46	7/17/2025	S	1	BH02-3'		7						X							3.6

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Aboubakar Kone

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C _____
	7/18/25	7:11	Michelle Gonzales	7-18-25	0711	
	7-18-25	1530	Marissa Gonzales	7-18-25	1530	
	7-18-25	1915	Lee	7/18/25	1915	
	7/18/25	2400	Caitlynn	7-21-25	745	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



envirotech

## Envirotech Analytical Laboratory

Printed: 7/21/2025 11:29:57AM

## 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:	07/21/25 07:45	Work Order ID:	E507227
Phone:	(972) 371-5200	Date Logged In:	07/18/25 17:05	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	07/28/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E507254

Job Number: 23003-0002

Received: 7/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/30/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 7/30/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E507254  
Date Received: 7/22/2025 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/22/2025 6:45:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Client Representative  
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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
07/30/25 08:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E507254-01A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH03-1'	E507254-02A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH04-0'	E507254-03A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH04-1'	E507254-04A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH05-0'	E507254-05A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH05-1'	E507254-06A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH06-0'	E507254-07A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
BH06-1'	E507254-08A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

**BH03-0'**

**E507254-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.1 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	350	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	389	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	117 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	302	20.0	1	07/28/25	07/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH03-1'

E507254-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.3 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	ND	20.0	1	07/28/25	07/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH04-0'

E507254-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	3820	50.0	2	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	2420	100	2	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>		95.0 %	61-141	07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	9610	100	5	07/28/25	07/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH04-1'

E507254-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.2 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.6 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	110 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	212	20.0	1	07/28/25	07/28/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH05-0'

E507254-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.4 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	13300	50.0	2	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	8430	100	2	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	95.2 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	1050	20.0	1	07/28/25	07/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH05-1'

E507254-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	293	20.0	1	07/28/25	07/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH06-0'

E507254-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.8 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	384	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	339	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	108 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	413	20.0	1	07/28/25	07/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
7/30/2025 8:52:27AM

BH06-1'

E507254-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.5 %	70-130		07/24/25	07/27/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		07/28/25	07/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2531024	
Chloride	69.1	20.0	1	07/28/25	07/28/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/30/2025 8:52:27AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530147-BLK1) Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

LCS (2530147-BS1) Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	5.82	0.0250	5.00		116	70-130			
Ethylbenzene	5.66	0.0250	5.00		113	70-130			
Toluene	5.76	0.0250	5.00		115	70-130			
o-Xylene	5.55	0.0250	5.00		111	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			

Matrix Spike (2530147-MS1) Source: E507254-05 Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	5.87	0.0250	5.00	ND	117	70-130			
Ethylbenzene	5.70	0.0250	5.00	ND	114	70-130			
Toluene	5.81	0.0250	5.00	ND	116	70-130			
o-Xylene	5.58	0.0250	5.00	ND	112	70-130			
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130			
Total Xylenes	17.0	0.0250	15.0	ND	114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			

Matrix Spike Dup (2530147-MSD1) Source: E507254-05 Prepared: 07/24/25 Analyzed: 07/27/25

Benzene	5.67	0.0250	5.00	ND	113	70-130	3.53	27	
Ethylbenzene	5.51	0.0250	5.00	ND	110	70-130	3.41	26	
Toluene	5.60	0.0250	5.00	ND	112	70-130	3.67	20	
o-Xylene	5.39	0.0250	5.00	ND	108	70-130	3.51	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.43	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	3.46	26	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		95.9	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/30/2025 8:52:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2530147-BLK1) Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

LCS (2530147-BS2) Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike (2530147-MS2) Source: E507254-05 Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

Matrix Spike Dup (2530147-MSD2) Source: E507254-05 Prepared: 07/24/25 Analyzed: 07/27/25

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.773	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/30/2025 8:52:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531032-BLK1)					Prepared: 07/28/25 Analyzed: 07/29/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	61-141			

LCS (2531032-BS1)					Prepared: 07/28/25 Analyzed: 07/29/25				
Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			

Matrix Spike (2531032-MS1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/29/25		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	53.0		50.0		106	61-141			

Matrix Spike Dup (2531032-MSD1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/29/25		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	56-156	1.90	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  7/30/2025 8:52:27AM
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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
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Blank (2531024-BLK1)					Prepared: 07/28/25 Analyzed: 07/28/25				
Chloride	ND	20.0							
LCS (2531024-BS1)					Prepared: 07/28/25 Analyzed: 07/28/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2531024-MS1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/28/25		
Chloride	482	20.0	250	212	108	80-120			
Matrix Spike Dup (2531024-MSD1)					Source: E507254-04		Prepared: 07/28/25 Analyzed: 07/28/25		
Chloride	494	20.0	250	212	113	80-120	2.38	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/30/25 08:52

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Chain of Custody

Page 1 of 1

Received by OCD: 11/18/2025 6:26:30 AM

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: Big Bull 305 H Well Pad				Address: 3122 National Parks Hwy				E506254		27003-0002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
															Compliance	Y	or	N	
															PWSID #				
															Remarks				
10:33	7/18/2025	S	1	BH03-0'		1						X			2.4				
10:36	7/18/2025	S	1	BH03-1'		2						X			2.0				
11:55	7/18/2025	S	1	BH04-0'		3						X			1.6				
12:05	7/18/2025	S	1	BH04-1'		4						X			1.8				
13:31	7/18/2025	S	1	BH05-0'		5						X			2.1				
13:36	7/18/2025	S	1	BH05-1'		6						X			1.4				
14:47	7/18/2025	S	1	BH06-0'		7						X			1.8				
14:53	7/18/2025	S	1	BH06-1'		8						X			2.0				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, igonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@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: Aoubakar Kone																			
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.											
<i>[Signature]</i>		7/21/25	7:11	<i>Michelle Gonzales</i>		7-21-25	1405	<div>Lab Use Only</div> <div>Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N</div> <div>T1 _____ T2 _____ T3 _____</div> <div>AVG Temp °C _____</div>											
<i>Michelle Gonzales</i>		7-21-25	1415	<i>Marissa Gonzales</i>		7-21-25	1415												
<i>Marissa Gonzales</i>		7-21-25	1830	<i>A.M.</i>		7-21-25	1830												
<i>A.M.</i>		7-21-25	2230	<i>Earth man</i>		7-22-25	1045												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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## Envirotech Analytical Laboratory

Printed: 7/22/2025 8:17:23AM

## 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:	07/22/25 06:45	Work Order ID:	E507254
Phone:	(972) 371-5200	Date Logged In:	07/21/25 16:49	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	07/29/25 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E509155

Job Number: 23003-0002

Received: 9/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/22/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 9/22/25



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

Project Name: Big Bull 305 H Well Pad  
Workorder: E509155  
Date Received: 9/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2025 7:30:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
09/22/25 06:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH07-0'	E509155-01A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH07-0.5'	E509155-02A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH07-1'	E509155-03A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH08-0'	E509155-04A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH08-0.5'	E509155-05A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH09-0'	E509155-06A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH09-0.5'	E509155-07A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH10-0'	E509155-08A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH10-0.5'	E509155-09A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH11-0'	E509155-10A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH11-0.5'	E509155-11A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH12-0'	E509155-12A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.
BH12-0.5'	E509155-13A	Soil	09/12/25	09/16/25	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

**BH07-0'**

**E509155-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.9 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
<i>Surrogate: n-Nonane</i>	99.4 %	61-141		09/16/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/16/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH07-0.5'

E509155-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
<i>Surrogate: n-Nonane</i>						
	98.6 %	61-141		09/16/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/16/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH07-1'

E509155-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2538036
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2538036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: HM		Batch: 2538030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	09/16/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: DT		Batch: 2538042
Chloride	ND	20.0	1	09/16/25	09/16/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH08-0'

E509155-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/16/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		09/16/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/16/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH08-0.5'

E509155-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538036
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2538030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	98.5 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2538042
Chloride	ND	20.0	1	09/16/25	09/16/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH09-0'

E509155-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	97.4 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	84.0	20.0	1	09/16/25	09/17/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH09-0.5'

E509155-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	99.5 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/17/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH10-0'

E509155-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2538036
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2538036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: HM		Batch: 2538030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>		99.2 %	61-141	09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: DT		Batch: 2538042
Chloride	ND	20.0	1	09/16/25	09/17/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH10-0.5'

E509155-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	98.7 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/17/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH11-0'

E509155-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	97.9 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/17/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH11-0.5'

E509155-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/17/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

## BH12-0'

## E509155-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2538036
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: SL		Batch: 2538036
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: HM		Batch: 2538030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: DT		Batch: 2538042
Chloride	ND	20.0	1	09/16/25	09/17/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
9/22/2025 6:02:52AM

BH12-0.5'

E509155-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Benzene	ND	0.0250	1	09/16/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/16/25	09/16/25	
Toluene	ND	0.0250	1	09/16/25	09/16/25	
o-Xylene	ND	0.0250	1	09/16/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/16/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/16/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2538036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		09/16/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2538030	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/16/25	09/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/16/25	09/17/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		09/16/25	09/17/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2538042	
Chloride	ND	20.0	1	09/16/25	09/17/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 6:02:52AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2538036-BLK1)

Prepared: 09/16/25 Analyzed: 09/16/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.8	70-130			

## LCS (2538036-BS1)

Prepared: 09/16/25 Analyzed: 09/16/25

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

## Matrix Spike (2538036-MS1)

Source: E509155-05

Prepared: 09/16/25 Analyzed: 09/16/25

Benzene	5.06	0.0250	5.00	ND	101	70-130			
Ethylbenzene	5.03	0.0250	5.00	ND	101	70-130			
Toluene	5.04	0.0250	5.00	ND	101	70-130			
o-Xylene	4.98	0.0250	5.00	ND	99.6	70-130			
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130			
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

## Matrix Spike Dup (2538036-MSD1)

Source: E509155-05

Prepared: 09/16/25 Analyzed: 09/16/25

Benzene	5.33	0.0250	5.00	ND	107	70-130	5.17	27	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	5.16	26	
Toluene	5.29	0.0250	5.00	ND	106	70-130	4.84	20	
o-Xylene	5.22	0.0250	5.00	ND	104	70-130	4.60	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	4.97	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	4.85	26	
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 6:02:52AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538036-BLK1) Prepared: 09/16/25 Analyzed: 09/16/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			

LCS (2538036-BS2) Prepared: 09/16/25 Analyzed: 09/16/25

Gasoline Range Organics (C6-C10)	59.4	20.0	50.0		119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		94.9	70-130			

Matrix Spike (2538036-MS2) Source: E509155-05 Prepared: 09/16/25 Analyzed: 09/16/25

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike Dup (2538036-MSD2) Source: E509155-05 Prepared: 09/16/25 Analyzed: 09/16/25

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130	5.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/22/2025 6:02:52AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538030-BLK1)					Prepared: 09/16/25 Analyzed: 09/16/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	61-141			

LCS (2538030-BS1)					Prepared: 09/16/25 Analyzed: 09/16/25				
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	47.9		50.0		95.8	61-141			

Matrix Spike (2538030-MS1)					Source: E509154-03		Prepared: 09/16/25 Analyzed: 09/16/25		
Diesel Range Organics (C10-C28)	391	25.0	250	107	113	56-156			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike Dup (2538030-MSD1)					Source: E509154-03		Prepared: 09/16/25 Analyzed: 09/16/25		
Diesel Range Organics (C10-C28)	406	25.0	250	107	119	56-156	3.77	20	
Surrogate: n-Nonane	51.4		50.0		103	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 9/22/2025 6:02:52AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538042-BLK1)					Prepared: 09/16/25 Analyzed: 09/16/25				
Chloride	ND	20.0							
LCS (2538042-BS1)					Prepared: 09/16/25 Analyzed: 09/16/25				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2538042-MS1)					Source: E509155-05		Prepared: 09/16/25 Analyzed: 09/16/25		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2538042-MSD1)					Source: E509155-05		Prepared: 09/16/25 Analyzed: 09/16/25		
Chloride	261	20.0	250	ND	104	80-120	0.127	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/22/25 06:02

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E509155	23003-002				x	x								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
0920	9/12/2025	Soil	1	BH07-0'		1											3.7			
1124				BH07-0.5'		2											3.7			
0923				BH07-1'		3											3.2			
0925				BH08-0'		4											2.0			
1128				BH08-0.5'		5											2.6			
1131				BH09-0'		6											4.0			
1134				BH09-0.5'		7											4.2			
0930				BH10-0'		8											3.5			
1121				BH10-0.5'		9											2.6			
0934				BH11-0'		10											2.4			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@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: <u>Jenna Hinkle</u>																				
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y) N								
<u>Jenna Hinkle</u>		9/15/2025		7:00		<u>Michelle Gonzales</u>		9-15-25		0700										
<u>Michelle Gonzales</u>		9-15-25		1430		<u>Marissa Gonzales</u>		9-15-25		1430										
<u>Marissa Gonzales</u>		9-15-25		1830		<u>Andrew Musso</u>		9-15-25		1830										
<u>Andrew Musso</u>		9-15-25		2300		<u>Caitlynn</u>		9-16-25		730										
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.																				



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 Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E509155	23003-0002				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1118	9/12/2025	Soil	1	BH11-0.5'		11								+					
1136	↓	↓	↓	BH12-0'		12								+					
1139	↓	↓	↓	BH12-0.5'		13								+					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, igonzales@ensolum.com, jmccauley@ensolum.com, eplugge@ensolum.com, usantillana@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: Jenna Hinkle																			
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N											
Jenna Hinkle		9/15/2025	7:00	Michelle Gonzales		9-15-25	0700												
Michelle Gonzales		9-15-25	1430	Marissa Gonzales		9-15-25	1430												
Marissa Gonzales		9-15-25	1830	Andrew Musso		9-15-25	1830												
Andrew Musso		9-15-25	2300	Caitlin Mann		9-15-25	730												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Envirotech Analytical Laboratory

Printed: 9/16/2025 9:11:20AM

## 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:	09/16/25 07:30	Work Order ID:	E509155
Phone:	(972) 371-5200	Date Logged In:	09/15/25 15:20	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	09/22/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E510310

Job Number: 23003-0002

Received: 10/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/31/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/31/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E510310  
Date Received: 10/27/2025 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2025 5:00:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/31/25 09:25
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS10A-0'	E510310-01A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
SS11A-0'	E510310-02A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
SS12-0'	E510310-03A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.





## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/31/2025 9:25:54AM
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**SS10A-0'**

**E510310-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2544009	
Benzene	ND	0.0250	1	10/27/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/30/25	
Toluene	ND	0.0250	1	10/27/25	10/30/25	
o-Xylene	ND	0.0250	1	10/27/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		115 %	70-130	10/27/25	10/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2544009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %	70-130	10/27/25	10/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2544016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/28/25	
<i>Surrogate: n-Nonane</i>		96.9 %	61-141	10/27/25	10/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2544060	
Chloride	ND	20.0	1	10/28/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:25:54AM

SS11A-0'

E510310-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2544009	
Benzene	ND	0.0250	1	10/27/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/30/25	
Toluene	ND	0.0250	1	10/27/25	10/30/25	
o-Xylene	ND	0.0250	1	10/27/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	10/27/25	10/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2544009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	10/27/25	10/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2544016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/28/25	
<i>Surrogate: n-Nonane</i>		99.3 %	61-141	10/27/25	10/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2544060	
Chloride	63.1	20.0	1	10/28/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:25:54AM

SS12-0'

E510310-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Benzene	ND	0.0250	1	10/27/25	10/30/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/30/25	
Toluene	ND	0.0250	1	10/27/25	10/30/25	
o-Xylene	ND	0.0250	1	10/27/25	10/30/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/30/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	10/27/25	10/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2544009
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.5 %	70-130	10/27/25	10/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2544016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/28/25	
<i>Surrogate: n-Nonane</i>						
		97.6 %	61-141	10/27/25	10/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2544060
Chloride	ND	20.0	1	10/28/25	10/29/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:25:54AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2544009-BLK1)

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.02		8.00		113	70-130			

## LCS (2544009-BS1)

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.65	0.0250	5.00		93.0	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130			
Total Xylenes	14.2	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.00		8.00		113	70-130			

## Matrix Spike (2544009-MS1)

Source: E510299-51

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	5.31	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.13	0.0250	5.00	ND	103	70-130			
Toluene	5.23	0.0250	5.00	ND	105	70-130			
o-Xylene	5.29	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.06		8.00		113	70-130			

## Matrix Spike Dup (2544009-MSD1)

Source: E510299-51

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	5.27	0.0250	5.00	ND	105	70-130	0.741	27	
Ethylbenzene	5.12	0.0250	5.00	ND	102	70-130	0.276	26	
Toluene	5.20	0.0250	5.00	ND	104	70-130	0.549	20	
o-Xylene	5.28	0.0250	5.00	ND	106	70-130	0.220	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	0.230	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	0.226	26	
Surrogate: 4-Bromochlorobenzene-PID	9.13		8.00		114	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:25:54AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544009-BLK1) Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

LCS (2544009-BS2) Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

Matrix Spike (2544009-MS2) Source: E510299-51 Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130			

Matrix Spike Dup (2544009-MSD2) Source: E510299-51 Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	8.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:25:54AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544016-BLK1)					Prepared: 10/27/25 Analyzed: 10/27/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.3	61-141			

LCS (2544016-BS1)					Prepared: 10/27/25 Analyzed: 10/27/25				
Diesel Range Organics (C10-C28)	245	25.0	250		98.1	66-144			
Surrogate: n-Nonane	46.5		50.0		92.9	61-141			

Matrix Spike (2544016-MS1)					Source: E510293-06		Prepared: 10/27/25 Analyzed: 10/27/25		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	56-156			
Surrogate: n-Nonane	53.4		50.0		107	61-141			

Matrix Spike Dup (2544016-MSD1)					Source: E510293-06		Prepared: 10/27/25 Analyzed: 10/27/25		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	10.9	20	
Surrogate: n-Nonane	47.8		50.0		95.7	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/31/2025 9:25:54AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544060-BLK1)					Prepared: 10/28/25 Analyzed: 10/28/25				
Chloride	ND	20.0							
LCS (2544060-BS1)					Prepared: 10/28/25 Analyzed: 10/28/25				
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2544060-MS1)					Source: E510312-04		Prepared: 10/28/25 Analyzed: 10/29/25		
Chloride	20200	400	250	19500	283	80-120			M4
Matrix Spike Dup (2544060-MSD1)					Source: E510312-04		Prepared: 10/28/25 Analyzed: 10/29/25		
Chloride	18600	400	250	19500	NR	80-120	8.64	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.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/25 09:25

- 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.



Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: Matador				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX								
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy				E510310		23003-0002					x	X											
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy				Phone: 575-988-0055																							
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																							
Phone: 575-988-0055				Miscellaneous:																							
Email: agiovengo@ensolum.com																											
																Analysis and Method				EPA Program							
																DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																								Compliance	Y	or	N
																								PWSID #			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number												Sample Temp	Remarks								
1100	10-23-25	S	1	SS10A-O'		1											X	5.4									
1112		S	1	SS11A-O'		2											X	5.4									
1115		S	1	SS12-O'		3											X	5.1									
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge, High-D Contaminant																											
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

## Envirotech Analytical Laboratory

Printed: 10/27/2025 11:12:41AM

## 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:	10/27/25 05:00	Work Order ID:	E510310
Phone:	(972) 371-5200	Date Logged In:	10/27/25 06:53	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	10/31/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

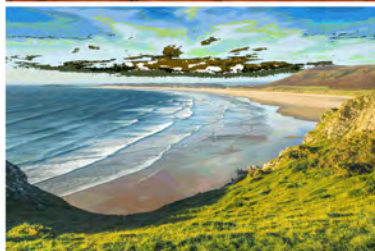


envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E510196

Job Number: 23003-0002

Received: 10/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/24/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/24/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E510196  
Date Received: 10/20/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/20/2025 6:30:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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  
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**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/24/25 10:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS65-0'	E510196-01A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS66-0'	E510196-02A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS67-0'	E510196-03A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS68-0'	E510196-04A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS69-0'	E510196-05A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS70-0'	E510196-06A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS71-0'	E510196-07A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS72-0'	E510196-08A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS73-0'	E510196-09A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS74-0'	E510196-10A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS75-0'	E510196-11A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS76-0'	E510196-12A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS77-0'	E510196-13A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS78-0'	E510196-14A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS79-0'	E510196-15A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS80-0'	E510196-16A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS81-0'	E510196-17A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS82-0'	E510196-18A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.
FS83-0'	E510196-19A	Soil	10/16/25	10/20/25	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

**FS65-0'**

**E510196-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	101 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>	88.4 %	61-141		10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS66-0'

E510196-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		87.6 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS67-0'

E510196-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
	88.0 %	61-141		10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS68-0'

E510196-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		89.9 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/24/2025 10:06:13AM
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FS69-0'

E510196-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.1 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>	82.9 %	61-141		10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS70-0'

E510196-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>	87.1 %	61-141		10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS71-0'

E510196-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		87.1 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS72-0'

E510196-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		84.8 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS73-0'

E510196-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		85.8 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS74-0'

E510196-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		86.6 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS75-0'

E510196-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		86.1 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS76-0'

E510196-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/20/25	
<i>Surrogate: n-Nonane</i>						
		86.1 %	61-141	10/20/25	10/20/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS77-0'

E510196-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>						
		84.3 %	61-141	10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS78-0'

E510196-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>						
		84.7 %	61-141	10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS79-0'

E510196-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>						
	89.3 %	61-141		10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS80-0'

E510196-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>						
		87.6 %	61-141	10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/24/2025 10:06:13AM
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FS81-0'

E510196-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/21/25	
Toluene	ND	0.0250	1	10/20/25	10/21/25	
o-Xylene	ND	0.0250	1	10/20/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	10/20/25	10/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>		89.3 %	61-141	10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/20/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS82-0'

E510196-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/22/25	
Toluene	ND	0.0250	1	10/20/25	10/22/25	
o-Xylene	ND	0.0250	1	10/20/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/20/25	10/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	10/20/25	10/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>		88.8 %	61-141	10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/21/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/24/2025 10:06:13AM

FS83-0'

E510196-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Benzene	ND	0.0250	1	10/20/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/20/25	10/22/25	
Toluene	ND	0.0250	1	10/20/25	10/22/25	
o-Xylene	ND	0.0250	1	10/20/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/20/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/20/25	10/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/20/25	10/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/25	10/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	10/20/25	10/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2543012	
Diesel Range Organics (C10-C28)	25.5	25.0	1	10/20/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/25	10/21/25	
<i>Surrogate: n-Nonane</i>						
		93.7 %	61-141	10/20/25	10/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543025	
Chloride	ND	20.0	1	10/20/25	10/21/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/2025 10:06:13AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2543017-BLK1)

Prepared: 10/20/25 Analyzed: 10/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	70-130			

## LCS (2543017-BS1)

Prepared: 10/20/25 Analyzed: 10/21/25

Benzene	3.95	0.0250	5.00		78.9	70-130			
Ethylbenzene	4.06	0.0250	5.00		81.1	70-130			
Toluene	4.03	0.0250	5.00		80.7	70-130			
o-Xylene	4.08	0.0250	5.00		81.6	70-130			
p,m-Xylene	8.27	0.0500	10.0		82.7	70-130			
Total Xylenes	12.4	0.0250	15.0		82.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

## Matrix Spike (2543017-MS1)

Source: E510196-13

Prepared: 10/20/25 Analyzed: 10/21/25

Benzene	4.12	0.0250	5.00	ND	82.3	70-130			
Ethylbenzene	4.22	0.0250	5.00	ND	84.4	70-130			
Toluene	4.21	0.0250	5.00	ND	84.2	70-130			
o-Xylene	4.26	0.0250	5.00	ND	85.2	70-130			
p,m-Xylene	8.60	0.0500	10.0	ND	86.0	70-130			
Total Xylenes	12.9	0.0250	15.0	ND	85.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

## Matrix Spike Dup (2543017-MSD1)

Source: E510196-13

Prepared: 10/20/25 Analyzed: 10/21/25

Benzene	4.27	0.0250	5.00	ND	85.4	70-130	3.69	27	
Ethylbenzene	4.39	0.0250	5.00	ND	87.8	70-130	3.94	26	
Toluene	4.37	0.0250	5.00	ND	87.4	70-130	3.81	20	
o-Xylene	4.44	0.0250	5.00	ND	88.8	70-130	4.15	25	
p,m-Xylene	8.94	0.0500	10.0	ND	89.4	70-130	3.97	23	
Total Xylenes	13.4	0.0250	15.0	ND	89.2	70-130	4.03	26	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/2025 10:06:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543017-BLK1) Prepared: 10/20/25 Analyzed: 10/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.64		8.00		108	70-130			

LCS (2543017-BS2) Prepared: 10/20/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

Matrix Spike (2543017-MS2) Source: E510196-13 Prepared: 10/20/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			

Matrix Spike Dup (2543017-MSD2) Source: E510196-13 Prepared: 10/20/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130	5.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/2025 10:06:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543012-BLK1)					Prepared: 10/20/25 Analyzed: 10/20/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.4	61-141			

LCS (2543012-BS1)					Prepared: 10/20/25 Analyzed: 10/20/25				
Diesel Range Organics (C10-C28)	238	25.0	250		95.0	66-144			
Surrogate: n-Nonane	43.0		50.0		85.9	61-141			

Matrix Spike (2543012-MS1)					Source: E510196-04		Prepared: 10/20/25 Analyzed: 10/20/25		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	45.1		50.0		90.1	61-141			

Matrix Spike Dup (2543012-MSD1)					Source: E510196-04		Prepared: 10/20/25 Analyzed: 10/20/25		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.8	56-156	1.36	20	
Surrogate: n-Nonane	44.3		50.0		88.6	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/24/2025 10:06:13AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543025-BLK1)					Prepared: 10/20/25 Analyzed: 10/20/25				
Chloride	ND	20.0							
LCS (2543025-BS1)					Prepared: 10/20/25 Analyzed: 10/21/25				
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2543025-MS1)					Source: E510196-07		Prepared: 10/20/25 Analyzed: 10/20/25		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2543025-MSD1)					Source: E510196-07		Prepared: 10/20/25 Analyzed: 10/20/25		
Chloride	261	20.0	250	ND	104	80-120	0.00153	20	

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





Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/24/25 10:06

- 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 Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E510194	23203-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Sample Temp			Remarks
10/19	10-16-25	S	1	FS65-0'		1							X		3.8			
10/18		S	1	FS66-0'		2							X		3.3			
10/22		S	1	FS67-0'		3							X		3.7			
10/21		S	1	FS68-0'		4							X		3.4			
10/24		S	1	FS69-0'		5							X		3.7			
10/24		S	1	FS70-0'		6							X		3.9			
10/25		S	1	FS11-0'		7							X		4.2			
10/26		S	1	FS12-0'		8							X		3.5			
10/30		S	1	FS13-0'		9							X		4.0			
10/31		S	1	FS14-0'		10							X		4.2			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N										
Michelle Gonzales		10-17-25	0711	Michelle Gonzales		10-17-25	0711											
Michelle Gonzales		10-17-25	1500	Marissa Gonzales		10-17-25	1500											
Marissa Gonzales		10-17-25	1915	Andrew Musso		10-17-25	1915											
Andrew Musso		10-17-25	2315	Noe Soto		10-20-25	0630											
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.																		



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E5101916	23003-000-2				x	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Sample Temp			Remarks
1032	10-16-25	S	1	PS75-0-		11							X		4.0			
1034		S	1	PS76-0-		12							X		3.7			
1034		S	1	PS77-0-		13							X		3.5			
1035		S	1	PS78-0-		14							X		3.4			
1038		S	1	PS79-0-		15							X		2.6			
1040		S	1	PS80-0-		16							X		3.1			
1041		S	1	PS81-0-		17							X		3.5			
1043		S	1	PS82-0-		18							X		3.9			
1044		S	1	PS83-0-		19							X		3.7			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y) N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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.																		

## Envirotech Analytical Laboratory

Printed: 10/20/2025 8:58:56AM

## 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:	10/20/25 06:30	Work Order ID:	E510196
Phone:	(972) 371-5200	Date Logged In:	10/17/25 16:32	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/24/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E510274

Job Number: 23003-0002

Received: 10/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/29/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 10/29/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E510274  
Date Received: 10/23/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/23/2025 8:15:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Field Offices:

**Southern New Mexico Area**

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**Michelle Gonzales**  
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Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/29/25 11:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS09-.5'	E510274-01A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS11-.5'	E510274-02A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS12-.5'	E510274-03A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS13-.5'	E510274-04A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS14-.5'	E510274-05A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS15-.5'	E510274-06A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS17-.5'	E510274-07A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS20-.5'	E510274-08A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS33-.5'	E510274-09A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS34-.5'	E510274-10A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS47-.5'	E510274-11A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS48-0'	E510274-12A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS49-.5'	E510274-13A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS50-.5'	E510274-14A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS60-0'	E510274-15A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS61-0'	E510274-16A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS62-0'	E510274-17A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS63-0'	E510274-18A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.
FS64-0'	E510274-19A	Soil	10/21/25	10/23/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/29/2025 11:01:15AM
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**FS09-.5'**

**E510274-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	215	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS11-.5'

E510274-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.6 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	70.0	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	56.3	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>		93.2 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	393	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

## FS12-.5'

## E510274-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	468	20.0	1	10/23/25	10/23/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

## FS13-.5'

## E510274-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	27.9	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		92.0 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	202	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS14-.5'

E510274-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	34.0	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		95.9 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	165	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS15-.5'

E510274-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		93.8 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	946	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS17-.5'

E510274-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.1 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	54.2	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	850	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS20-.5'

E510274-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.8 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		97.9 %	61-141	10/23/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	350	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS33-.5'

E510274-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.5 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		98.8 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	354	20.0	1	10/23/25	10/23/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS34-.5'

E510274-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.0 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	160	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	140	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		96.2 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	1050	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS47-.5'

E510274-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.9 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	50.9	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	64.4	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		94.7 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	614	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS48-0'

E510274-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.2 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		94.0 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	754	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS49-.5'

E510274-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	59.4	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	82.3	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	561	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS50-.5'

E510274-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.9 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	54.9	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	78.5	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		95.5 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	669	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS60-0'

E510274-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.9 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	31.7	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		98.5 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	161	20.0	1	10/23/25	10/23/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS61-0'

E510274-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>		93.8 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	ND	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS62-0'

E510274-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.5 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		91.1 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	136	20.0	1	10/23/25	10/23/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS63-0'

E510274-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.5 %	70-130	10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	82.4	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	123	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		97.2 %	61-141	10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	ND	20.0	1	10/23/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/29/2025 11:01:15AM

FS64-0'

E510274-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Benzene	ND	0.0250	1	10/23/25	10/24/25	
Ethylbenzene	ND	0.0250	1	10/23/25	10/24/25	
Toluene	ND	0.0250	1	10/23/25	10/24/25	
o-Xylene	ND	0.0250	1	10/23/25	10/24/25	
p,m-Xylene	ND	0.0500	1	10/23/25	10/24/25	
Total Xylenes	ND	0.0250	1	10/23/25	10/24/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/23/25	10/24/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		10/23/25	10/24/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543097	
Diesel Range Organics (C10-C28)	60.0	25.0	1	10/23/25	10/25/25	
Oil Range Organics (C28-C36)	90.1	50.0	1	10/23/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	94.9 %	61-141		10/23/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: TP		Batch: 2543095	
Chloride	133	20.0	1	10/23/25	10/24/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 11:01:15AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2543092-BLK1)

Prepared: 10/23/25 Analyzed: 10/24/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130			

## LCS (2543092-BS1)

Prepared: 10/23/25 Analyzed: 10/24/25

Benzene	5.64	0.0250	5.00		113	70-130			
Ethylbenzene	5.41	0.0250	5.00		108	70-130			
Toluene	5.54	0.0250	5.00		111	70-130			
o-Xylene	5.45	0.0250	5.00		109	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.42		8.00		105	70-130			

## Matrix Spike (2543092-MS1)

Source: E510274-05

Prepared: 10/23/25 Analyzed: 10/24/25

Benzene	5.74	0.0250	5.00	ND	115	70-130			
Ethylbenzene	5.49	0.0250	5.00	ND	110	70-130			
Toluene	5.63	0.0250	5.00	ND	113	70-130			
o-Xylene	5.56	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.8	0.0250	15.0	ND	112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.54		8.00		107	70-130			

## Matrix Spike Dup (2543092-MSD1)

Source: E510274-05

Prepared: 10/23/25 Analyzed: 10/24/25

Benzene	5.93	0.0250	5.00	ND	119	70-130	3.30	27	
Ethylbenzene	5.70	0.0250	5.00	ND	114	70-130	3.76	26	
Toluene	5.82	0.0250	5.00	ND	116	70-130	3.32	20	
o-Xylene	5.75	0.0250	5.00	ND	115	70-130	3.37	25	
p,m-Xylene	11.6	0.0500	10.0	ND	116	70-130	3.66	23	
Total Xylenes	17.4	0.0250	15.0	ND	116	70-130	3.56	26	
Surrogate: 4-Bromochlorobenzene-PID	8.45		8.00		106	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 11:01:15AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543092-BLK1) Prepared: 10/23/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130			

LCS (2543092-BS2) Prepared: 10/23/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.3	70-130			

Matrix Spike (2543092-MS2) Source: E510274-05 Prepared: 10/23/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130			

Matrix Spike Dup (2543092-MSD2) Source: E510274-05 Prepared: 10/23/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	8.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.2	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/2025 11:01:15AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543097-BLK1)					Prepared: 10/23/25 Analyzed: 10/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.7		50.0		89.5	61-141			

LCS (2543097-BS1)					Prepared: 10/23/25 Analyzed: 10/24/25				
Diesel Range Organics (C10-C28)	237	25.0	250		94.8	66-144			
Surrogate: n-Nonane	45.2		50.0		90.5	61-141			

Matrix Spike (2543097-MS1)					Source: E510274-07		Prepared: 10/23/25 Analyzed: 10/24/25		
Diesel Range Organics (C10-C28)	296	25.0	250	54.2	96.7	56-156			
Surrogate: n-Nonane	46.7		50.0		93.5	61-141			

Matrix Spike Dup (2543097-MSD1)					Source: E510274-07		Prepared: 10/23/25 Analyzed: 10/24/25		
Diesel Range Organics (C10-C28)	306	25.0	250	54.2	101	56-156	3.27	20	
Surrogate: n-Nonane	47.0		50.0		94.0	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/29/2025 11:01:15AM
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Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543095-BLK1)					Prepared: 10/23/25 Analyzed: 10/23/25				
Chloride	ND	20.0							
LCS (2543095-BS1)					Prepared: 10/23/25 Analyzed: 10/23/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2543095-MS1)					Source: E510274-14		Prepared: 10/23/25 Analyzed: 10/23/25		
Chloride	913	20.0	250	669	97.5	80-120			
Matrix Spike Dup (2543095-MSD1)					Source: E510274-14		Prepared: 10/23/25 Analyzed: 10/28/25		
Chloride	908	20.0	250	669	95.6	80-120	0.507	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/29/25 11:01

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

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E510274	23003-0002				x	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Sample Temp			Remarks
1019	10-21-25	S	1	FS09-.5'		1							X		3.6			
1017		S	1	FS11-.5'		2							X		5.5			
1121		S	1	FS12-.5'		3							X		5.6			
1130		S	1	FS13-.5'		4							X		5.1			
1134		S	1	FS14-.5'		5							X		5.4			
1010		S	1	FS15-.5'		6							X		6.5			
1103		S	1	FS17-.5'		7							X		4.7			
1105		S	1	FS20-.5'		8							X		5.8			
1156		S	1	FS33-.5'		9							X		5.2			
1101		S	1	FS34-.5'		10							X		4.3			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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.																		



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State							
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E51027423003-0002					x	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1136	10-21-25	S	1	FS47-.5'		11							X		4.9		
1129		S	1	FS48-0'		12							X		5.3		
1134		S	1	FS49-.5'		13							X		5.9		
1140		S	1	FS50-.5'		14							X		5.1		
1219		S	1	FS60-0'		15							X		5.2		
1230		S	1	FS61-0'		16							X		5.8		
1220		S	1	FS62-0'		17							X		5.2		
1223		S	1	FS63-0'		18							X		5.2		
1225		S	1	FS64-0'		19							X		5.9		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																	
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y) N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
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.																	

## Envirotech Analytical Laboratory

Printed: 10/23/2025 9:57:36AM

## 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:	10/23/25 08:15	Work Order ID:	E510274
Phone:	(972) 371-5200	Date Logged In:	10/22/25 15:07	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/29/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E510297

Job Number: 23003-0002

Received: 10/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/30/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 10/30/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E510297  
Date Received: 10/24/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/24/2025 8:30:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/25 10:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E510297-01A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS02-0'	E510297-02A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS03-0'	E510297-03A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS04-0'	E510297-04A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS05-0'	E510297-05A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS06-0'	E510297-06A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS07-0'	E510297-07A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS08-0'	E510297-08A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS21-0'	E510297-09A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS22-0'	E510297-10A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS23-0'	E510297-11A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS24-0'	E510297-12A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS25-0'	E510297-13A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS26-0'	E510297-14A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS27-0'	E510297-15A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS35-0'	E510297-16A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS36-0'	E510297-17A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS37-0'	E510297-18A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS38-0'	E510297-19A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS39-0'	E510297-20A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS51-0'	E510297-21A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS52-0'	E510297-22A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS53-0'	E510297-23A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.
FS54-0'	E510297-24A	Soil	10/22/25	10/24/25	Glass Jar, 2 oz.



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/30/2025 10:24:14AM
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**FS01-0'**

**E510297-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.6 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	84.3 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	69.9	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>	98.8 %	61-141		10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	1330	20.0	1	10/24/25	10/24/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS02-0'

E510297-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.9 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		96.5 %	61-141	10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	998	20.0	1	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS03-0'

E510297-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	48.2	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
	94.3 %	61-141		10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	2290	40.0	2	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS04-0'

E510297-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.0 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	32.1	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
	92.3 %	61-141		10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	2170	40.0	2	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS05-0'

E510297-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	316	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	111	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
	92.9 %	61-141		10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	1180	20.0	1	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS06-0'

E510297-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	47.6	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
	92.6 %	61-141		10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	262	20.0	1	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS07-0'

E510297-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.7 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	28.2	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
		91.3 %	61-141	10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	237	20.0	1	10/24/25	10/24/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS08-0'

E510297-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/24/25	
<i>Surrogate: n-Nonane</i>						
	95.1 %	61-141		10/24/25	10/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	223	20.0	1	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS21-0'

E510297-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	232	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	83.7	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		95.4 %	61-141	10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	706	20.0	1	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS22-0'

E510297-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	298	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	68.2	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	92.8 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	2460	100	5	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS23-0'

E510297-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2543117
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2543117
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543124
Diesel Range Organics (C10-C28)	647	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	545	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	92.2 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2543140
Chloride	1330	20.0	1	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS24-0'

E510297-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	130	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	61.0	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	90.8 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	2750	40.0	2	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS25-0'

E510297-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	50.7	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	93.6 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	327	20.0	1	10/24/25	10/24/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS26-0'

E510297-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.2 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	61.1	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	91.0 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	6290	100	5	10/24/25	10/24/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS27-0'

E510297-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.6 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	92.4 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	221	20.0	1	10/24/25	10/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS35-0'

E510297-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	104	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	64.8	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	91.7 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	971	20.0	1	10/24/25	10/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS36-0'

E510297-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	96.6 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	1610	20.0	1	10/24/25	10/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS37-0'

E510297-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.2 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	157	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	210	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
		92.1 %	61-141	10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	1510	20.0	1	10/24/25	10/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS38-0'

E510297-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.8 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	39.6	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>						
	93.3 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	262	20.0	1	10/24/25	10/25/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS39-0'

E510297-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2543117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.0 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2543124	
Diesel Range Organics (C10-C28)	46.2	25.0	1	10/24/25	10/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/24/25	10/25/25	
<i>Surrogate: n-Nonane</i>	92.5 %	61-141		10/24/25	10/25/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2543140	
Chloride	2800	40.0	2	10/24/25	10/25/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS51-0'

E510297-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2543113	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2543113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544005	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/27/25	
<i>Surrogate: n-Nonane</i>		88.1 %	61-141	10/27/25	10/27/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544015	
Chloride	3050	40.0	2	10/27/25	10/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS52-0'

E510297-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2543113	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.4 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2543113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.9 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544005	
Diesel Range Organics (C10-C28)	107	25.0	1	10/27/25	10/27/25	
Oil Range Organics (C28-C36)	58.7	50.0	1	10/27/25	10/27/25	
<i>Surrogate: n-Nonane</i>	109 %	61-141		10/27/25	10/27/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544015	
Chloride	1700	20.0	1	10/27/25	10/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS53-0'

E510297-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2543113
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2543113
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2544005
Diesel Range Organics (C10-C28)	82.9	25.0	1	10/27/25	10/27/25	
Oil Range Organics (C28-C36)	72.4	50.0	1	10/27/25	10/27/25	
<i>Surrogate: n-Nonane</i>						
	86.8 %	61-141		10/27/25	10/27/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2544015
Chloride	1770	20.0	1	10/27/25	10/28/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/30/2025 10:24:14AM

FS54-0'

E510297-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2543113	
Benzene	ND	0.0250	1	10/24/25	10/25/25	
Ethylbenzene	ND	0.0250	1	10/24/25	10/25/25	
Toluene	ND	0.0250	1	10/24/25	10/25/25	
o-Xylene	ND	0.0250	1	10/24/25	10/25/25	
p,m-Xylene	ND	0.0500	1	10/24/25	10/25/25	
Total Xylenes	ND	0.0250	1	10/24/25	10/25/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.7 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2543113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/24/25	10/25/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.3 %	70-130		10/24/25	10/25/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544005	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/27/25	10/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/27/25	10/27/25	
<i>Surrogate: n-Nonane</i>	96.7 %	61-141		10/27/25	10/27/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544015	
Chloride	81.8	20.0	1	10/27/25	10/28/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2543113-BLK1)

Prepared: 10/24/25 Analyzed: 10/24/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.3	70-130			

## LCS (2543113-BS1)

Prepared: 10/24/25 Analyzed: 10/24/25

Benzene	4.80	0.0250	5.00		96.0	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.59	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.22	0.0500	10.0		92.2	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

## Matrix Spike (2543113-MS1)

Source: E510294-06

Prepared: 10/24/25 Analyzed: 10/24/25

Benzene	5.23	0.0250	5.00	ND	105	70-130			
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	70-130			
Toluene	5.10	0.0250	5.00	ND	102	70-130			
o-Xylene	5.02	0.0250	5.00	ND	100	70-130			
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

## Matrix Spike Dup (2543113-MSD1)

Source: E510294-06

Prepared: 10/24/25 Analyzed: 10/27/25

Benzene	4.95	0.0250	5.00	ND	99.1	70-130	5.38	27	
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	70-130	5.11	26	
Toluene	4.84	0.0250	5.00	ND	96.8	70-130	5.24	20	
o-Xylene	4.74	0.0250	5.00	ND	94.9	70-130	5.59	25	
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	70-130	4.90	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.1	70-130	5.13	26	
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2	70-130			





## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2543117-BLK1)

Prepared: 10/24/25 Analyzed: 10/25/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.40		8.00		105	70-130			

## LCS (2543117-BS1)

Prepared: 10/24/25 Analyzed: 10/25/25

Benzene	4.22	0.0250	5.00		84.3	70-130			
Ethylbenzene	4.05	0.0250	5.00		81.1	70-130			
Toluene	4.14	0.0250	5.00		82.8	70-130			
o-Xylene	4.09	0.0250	5.00		81.7	70-130			
p,m-Xylene	8.31	0.0500	10.0		83.1	70-130			
Total Xylenes	12.4	0.0250	15.0		82.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.46		8.00		106	70-130			

## Matrix Spike (2543117-MS1)

Source: E510297-07

Prepared: 10/24/25 Analyzed: 10/25/25

Benzene	5.62	0.0250	5.00	ND	112	70-130			
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130			
Toluene	5.55	0.0250	5.00	ND	111	70-130			
o-Xylene	5.49	0.0250	5.00	ND	110	70-130			
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130			
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

## Matrix Spike Dup (2543117-MSD1)

Source: E510297-07

Prepared: 10/24/25 Analyzed: 10/25/25

Benzene	5.60	0.0250	5.00	ND	112	70-130	0.409	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	0.331	26	
Toluene	5.55	0.0250	5.00	ND	111	70-130	0.0297	20	
o-Xylene	5.51	0.0250	5.00	ND	110	70-130	0.337	25	
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130	0.344	23	
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130	0.342	26	
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543113-BLK1) Prepared: 10/24/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2543113-BS2) Prepared: 10/24/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike (2543113-MS2) Source: E510294-06 Prepared: 10/24/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2543113-MSD2) Source: E510294-06 Prepared: 10/24/25 Analyzed: 10/24/25

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130	3.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543117-BLK1) Prepared: 10/24/25 Analyzed: 10/25/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130			

LCS (2543117-BS2) Prepared: 10/24/25 Analyzed: 10/25/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		8.00		85.9	70-130			

Matrix Spike (2543117-MS2) Source: E510297-07 Prepared: 10/24/25 Analyzed: 10/25/25

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		8.00		86.0	70-130			

Matrix Spike Dup (2543117-MSD2) Source: E510297-07 Prepared: 10/24/25 Analyzed: 10/25/25

Gasoline Range Organics (C6-C10)	60.6	20.0	50.0	ND	121	70-130	8.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543124-BLK1)					Prepared: 10/24/25 Analyzed: 10/24/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.8		50.0		91.7	61-141			

LCS (2543124-BS1)					Prepared: 10/24/25 Analyzed: 10/24/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	66-144			
Surrogate: n-Nonane	45.0		50.0		89.9	61-141			

Matrix Spike (2543124-MS1)					Source: E510297-01		Prepared: 10/24/25 Analyzed: 10/24/25		
Diesel Range Organics (C10-C28)	310	25.0	250	69.9	96.2	56-156			
Surrogate: n-Nonane	47.7		50.0		95.4	61-141			

Matrix Spike Dup (2543124-MSD1)					Source: E510297-01		Prepared: 10/24/25 Analyzed: 10/24/25		
Diesel Range Organics (C10-C28)	343	25.0	250	69.9	109	56-156	10.1	20	
Surrogate: n-Nonane	47.9		50.0		95.7	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544005-BLK1)					Prepared: 10/27/25 Analyzed: 10/27/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.8	61-141			

LCS (2544005-BS1)					Prepared: 10/27/25 Analyzed: 10/27/25				
Diesel Range Organics (C10-C28)	218	25.0	250		87.3	66-144			
Surrogate: n-Nonane	42.0		50.0		84.0	61-141			

Matrix Spike (2544005-MS1)					Source: E510307-03		Prepared: 10/27/25 Analyzed: 10/27/25		
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	56-156			
Surrogate: n-Nonane	45.4		50.0		90.9	61-141			

Matrix Spike Dup (2544005-MSD1)					Source: E510307-03		Prepared: 10/27/25 Analyzed: 10/27/25		
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.6	56-156	5.51	20	
Surrogate: n-Nonane	43.2		50.0		86.4	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/30/2025 10:24:14AM
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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
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Blank (2543140-BLK1)				Prepared: 10/24/25 Analyzed: 10/24/25					
Chloride	ND	20.0							
LCS (2543140-BS1)				Prepared: 10/24/25 Analyzed: 10/24/25					
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2543140-MS1)				Source: E510297-05		Prepared: 10/24/25 Analyzed: 10/24/25			
Chloride	1510	20.0	250	1180	134	80-120			M4
Matrix Spike Dup (2543140-MSD1)				Source: E510297-05		Prepared: 10/24/25 Analyzed: 10/24/25			
Chloride	1450	20.0	250	1180	110	80-120	3.94	20	





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/2025 10:24:14AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544015-BLK1)					Prepared: 10/27/25 Analyzed: 10/28/25				
Chloride	ND	20.0							
LCS (2544015-BS1)					Prepared: 10/27/25 Analyzed: 10/28/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2544015-MS1)					Source: E510288-04		Prepared: 10/27/25 Analyzed: 10/28/25		
Chloride	735	20.0	250	452	113	80-120			
Matrix Spike Dup (2544015-MSD1)					Source: E510288-04		Prepared: 10/27/25 Analyzed: 10/28/25		
Chloride	734	20.0	250	452	113	80-120	0.0504	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/30/25 10:24

- 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.



Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		ES10297	23003-0002				x	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Sample Temp			Remarks
0900	10-22-25	S	1	FS01-0'		1							X		4.4			
1003		S	1	FS02-0'		2							X		4.8			
1005		S	1	FS03-0'		3							X		4.1			
1008		S	1	FS04-0'		4							X		4.5			
1102		S	1	FS05-0'		5							X		4.3			
1105		S	1	FS06-0'		6							X		4.9			
1142		S	1	FS07-0'		7							X		4.8			
1201		S	1	FS08-0'		8							X		4.5			
0904		S	1	FS21-0'		9							X		4.3			
0909		S	1	FS23-0'		10							X		4.1			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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.																		

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		ES10297	23003-0002				x	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCED 1005 - TX	RCDA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Sample Temp			Remarks
09/19	10-22-25	S	1	FS23-0'		11							X		4.5			
1320		S	1	FS24-0'		12							X		4.3			
1120		S	1	FS25-0'		13							X		4.6			
1109		S	1	FS26-0'		14							X		4.7			
1143		S	1	FS27-0'		15							X		4.1			
1321		S	1	FS35-0'		16							X		4.0			
09/15		S	1	FS36-0'		17							X		3.9			
1013		S	1	FS37-0'		18							X		3.8			
1133		S	1	FS38-0'		19							X		4.6			
1153		S	1	FS39-0'		20							X		4.5			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y) N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

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## Envirotech Analytical Laboratory

Printed: 10/27/2025 7:55:16AM

## 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:	10/24/25 08:30	Work Order ID:	E510297
Phone:	(972) 371-5200	Date Logged In:	10/23/25 16:21	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/30/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Matador Resources, LLC.

Project Name: Big Bull 305 H Well Pad

Work Order: E510314

Job Number: 23003-0002

Received: 10/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/31/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 10/31/25

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



Project Name: Big Bull 305 H Well Pad  
Workorder: E510314  
Date Received: 10/27/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2025 7:30:00AM, under the Project Name: Big Bull 305 H Well Pad.

The analytical test results summarized in this report with the Project Name: Big Bull 305 H Well Pad 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/25 09:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS10-0'	E510314-01A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS16-0'	E510314-02A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS18-.5'	E510314-03A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS19-.5'	E510314-04A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS28-0'	E510314-05A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS29-0'	E510314-06A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS30-0'	E510314-07A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS31-0'	E510314-08A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS32-.5'	E510314-09A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS40-0'	E510314-10A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS41-0'	E510314-11A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS42-0'	E510314-12A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS43-0'	E510314-13A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS44-0'	E510314-14A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS45-0'	E510314-15A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS46-0'	E510314-16A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS55-0'	E510314-17A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS56-0'	E510314-18A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS57-0'	E510314-19A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS58-0'	E510314-20A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.
FS59-0'	E510314-21A	Soil	10/23/25	10/27/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

**FS10-0'**

**E510314-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	73.7	25.0	1	10/28/25	10/28/25	
Oil Range Organics (C28-C36)	53.9	50.0	1	10/28/25	10/28/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	10/28/25	10/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	583	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS16-0'

E510314-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	58.5	25.0	1	10/28/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/28/25	
<i>Surrogate: n-Nonane</i>		98.5 %	61-141	10/28/25	10/28/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	564	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

## FS18-.5'

## E510314-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2544025
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2544025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2544037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/28/25	
<i>Surrogate: n-Nonane</i>						
		98.8 %	61-141	10/28/25	10/28/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2544085
Chloride	204	20.0	1	10/29/25	10/29/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

## FS19-.5'

## E510314-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2544025
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2544025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2544037
Diesel Range Organics (C10-C28)	57.9	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		98.2 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2544085
Chloride	561	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS28-0'

E510314-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		99.2 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	141	20.0	1	10/29/25	10/29/25	



## Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	<b>Reported:</b> 10/31/2025 9:44:12AM
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FS29-0'

E510314-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		98.6 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	1170	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS30-0'

E510314-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		112 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	140	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS31-0'

E510314-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		108 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	180	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	90.0	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		99.1 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	729	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS32-.5'

E510314-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		97.5 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	144	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS40-0'

E510314-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2544025
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2544025
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2544037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		96.9 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2544085
Chloride	133	20.0	1	10/29/25	10/29/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS41-0'

E510314-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	73.4	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	51.1	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	569	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS42-0'

E510314-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	61.9	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		99.8 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	564	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS43-0'

E510314-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		119 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	174	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	87.1	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	728	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS44-0'

E510314-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		96.2 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	199	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS45-0'

E510314-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		97.9 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	201	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS46-0'

E510314-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		99.6 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	1110	20.0	1	10/29/25	10/29/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS55-0'

E510314-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		116 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		97.9 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	205	20.0	1	10/29/25	10/29/25	





## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS56-0'

E510314-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		99.6 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	199	20.0	1	10/29/25	10/30/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS57-0'

E510314-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	195	20.0	1	10/29/25	10/30/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS58-0'

E510314-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2544025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		115 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2544037	
Diesel Range Organics (C10-C28)	181	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	87.5	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>						
		98.3 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2544085	
Chloride	716	20.0	1	10/29/25	10/30/25	



## Sample Data

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

Project Name: Big Bull 305 H Well Pad  
Project Number: 23003-0002  
Project Manager: Ashley Giovengo

**Reported:**  
10/31/2025 9:44:12AM

FS59-0'

E510314-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2544020	
Benzene	ND	0.0250	1	10/27/25	10/29/25	
Ethylbenzene	ND	0.0250	1	10/27/25	10/29/25	
Toluene	ND	0.0250	1	10/27/25	10/29/25	
o-Xylene	ND	0.0250	1	10/27/25	10/29/25	
p,m-Xylene	ND	0.0500	1	10/27/25	10/29/25	
Total Xylenes	ND	0.0250	1	10/27/25	10/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		114 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2544020	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/25	10/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	70-130	10/27/25	10/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2544067	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/28/25	10/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/28/25	10/29/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	10/28/25	10/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2544084	
Chloride	142	20.0	1	10/29/25	10/29/25	



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2544020-BLK1)

Prepared: 10/27/25 Analyzed: 10/28/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.95		8.00		112	70-130			

## LCS (2544020-BS1)

Prepared: 10/27/25 Analyzed: 10/28/25

Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.26	0.0250	5.00		105	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.88		8.00		111	70-130			

## Matrix Spike (2544020-MS1)

Source: E510313-04

Prepared: 10/27/25 Analyzed: 10/28/25

Benzene	5.08	0.0250	5.00	ND	102	70-130			
Ethylbenzene	4.95	0.0250	5.00	ND	99.1	70-130			
Toluene	5.02	0.0250	5.00	ND	100	70-130			
o-Xylene	5.07	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.91		8.00		111	70-130			

## Matrix Spike Dup (2544020-MSD1)

Source: E510313-04

Prepared: 10/27/25 Analyzed: 10/28/25

Benzene	5.67	0.0250	5.00	ND	113	70-130	11.0	27	
Ethylbenzene	5.52	0.0250	5.00	ND	110	70-130	10.9	26	
Toluene	5.60	0.0250	5.00	ND	112	70-130	10.8	20	
o-Xylene	5.64	0.0250	5.00	ND	113	70-130	10.5	25	
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130	10.8	23	
Total Xylenes	16.9	0.0250	15.0	ND	113	70-130	10.7	26	
Surrogate: 4-Bromochlorobenzene-PID	8.78		8.00		110	70-130			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2544025-BLK1)

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			

## LCS (2544025-BS1)

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	4.09	0.0250	5.00		81.8	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.3	70-130			
Toluene	4.10	0.0250	5.00		82.0	70-130			
o-Xylene	4.14	0.0250	5.00		82.7	70-130			
p,m-Xylene	8.27	0.0500	10.0		82.7	70-130			
Total Xylenes	12.4	0.0250	15.0		82.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

## Matrix Spike (2544025-MS1)

Source: E510314-09

Prepared: 10/27/25 Analyzed: 10/29/25

Benzene	4.46	0.0250	5.00	ND	89.2	70-130			
Ethylbenzene	4.36	0.0250	5.00	ND	87.3	70-130			
Toluene	4.45	0.0250	5.00	ND	89.1	70-130			
o-Xylene	4.42	0.0250	5.00	ND	88.4	70-130			
p,m-Xylene	8.94	0.0500	10.0	ND	89.4	70-130			
Total Xylenes	13.4	0.0250	15.0	ND	89.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			

## Matrix Spike Dup (2544025-MSD1)

Source: E510314-09

Prepared: 10/27/25 Analyzed: 10/30/25

Benzene	3.81	0.0250	5.00	ND	76.3	70-130	15.7	27	
Ethylbenzene	3.88	0.0250	5.00	ND	77.6	70-130	11.7	26	
Toluene	3.91	0.0250	5.00	ND	78.2	70-130	13.0	20	
o-Xylene	3.94	0.0250	5.00	ND	78.7	70-130	11.6	25	
p,m-Xylene	7.97	0.0500	10.0	ND	79.7	70-130	11.5	23	
Total Xylenes	11.9	0.0250	15.0	ND	79.4	70-130	11.5	26	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544020-BLK1) Prepared: 10/27/25 Analyzed: 10/28/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS (2544020-BS2) Prepared: 10/27/25 Analyzed: 10/28/25

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			

Matrix Spike (2544020-MS2) Source: E510313-04 Prepared: 10/27/25 Analyzed: 10/28/25

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2544020-MSD2) Source: E510313-04 Prepared: 10/27/25 Analyzed: 10/28/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130	8.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			





QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544025-BLK1) Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.10		8.00		114	70-130			

LCS (2544025-BS2) Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.40		8.00		117	70-130			

Matrix Spike (2544025-MS2) Source: E510314-09 Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.55		8.00		119	70-130			

Matrix Spike Dup (2544025-MSD2) Source: E510314-09 Prepared: 10/27/25 Analyzed: 10/29/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	1.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.19		8.00		115	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544037-BLK1)					Prepared: 10/28/25 Analyzed: 10/28/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.4	61-141			

LCS (2544037-BS1)					Prepared: 10/28/25 Analyzed: 10/28/25				
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

Matrix Spike (2544037-MS1)					Source: E510314-13		Prepared: 10/28/25 Analyzed: 10/28/25		
Diesel Range Organics (C10-C28)	428	25.0	250	174	101	56-156			
Surrogate: n-Nonane	48.9		50.0		97.9	61-141			

Matrix Spike Dup (2544037-MSD1)					Source: E510314-13		Prepared: 10/28/25 Analyzed: 10/28/25		
Diesel Range Organics (C10-C28)	484	25.0	250	174	124	56-156	12.2	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			



## QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	<b>Reported:</b>
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2544067-BLK1)

Prepared: 10/28/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.2		50.0		114	61-141			

## LCS (2544067-BS1)

Prepared: 10/28/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	273	25.0	250		109	66-144			
Surrogate: <i>n</i> -Nonane	51.1		50.0		102	61-141			

## Matrix Spike (2544067-MS1)

Source: E510317-47

Prepared: 10/28/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	56-156			
Surrogate: <i>n</i> -Nonane	51.3		50.0		103	61-141			

## Matrix Spike Dup (2544067-MSD1)

Source: E510317-47

Prepared: 10/28/25 Analyzed: 10/29/25

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156	0.140	20	
Surrogate: <i>n</i> -Nonane	51.9		50.0		104	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/2025 9:44:12AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2544084-BLK1)					Prepared: 10/29/25 Analyzed: 10/29/25				
Chloride	ND	20.0							
LCS (2544084-BS1)					Prepared: 10/29/25 Analyzed: 10/29/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2544084-MS1)					Source: E510340-01		Prepared: 10/29/25 Analyzed: 10/29/25		
Chloride	592	20.0	250	330	105	80-120			
Matrix Spike Dup (2544084-MSD1)					Source: E510340-01		Prepared: 10/29/25 Analyzed: 10/29/25		
Chloride	587	20.0	250	330	103	80-120	0.878	20	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Big Bull 305 H Well Pad Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported:  10/31/2025 9:44:12AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2544085-BLK1)					Prepared: 10/29/25 Analyzed: 10/29/25				
Chloride	ND	20.0							
LCS (2544085-BS1)					Prepared: 10/29/25 Analyzed: 10/29/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2544085-MS1)					Source: E510314-04		Prepared: 10/29/25 Analyzed: 10/29/25		
Chloride	818	20.0	250	561	102	80-120			
Matrix Spike Dup (2544085-MSD1)					Source: E510314-04		Prepared: 10/29/25 Analyzed: 10/29/25		
Chloride	814	20.0	250	561	101	80-120	0.389	20	

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Big Bull 305 H Well Pad	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/31/25 09:44

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E510314	23013-002				x	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
09100	10-23-25	S	1	PS10-0'		1							X		4.6			
0835		S	1	PS16-0'		2							X		4.4			
0841		S	1	PS18-.5'		3							X		4.0			
0840		S	1	PS19-.5'		4							X		5.9			
0902		S	1	PS28-0'		5							X		4.9			
0903		S	1	PS24-0'		6							X		5.5			
0910		S	1	PS30-0'		7							X		4.1			
0912		S	1	PS31-0'		8							X		5.5			
0842		S	1	PS32-.5'		9							X		5.8			
0903		S	1	PS40-0'		10							X		4.8			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge, <u>Higinio GONZALEZ</u>																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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.																		



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E510314	23003-0002				x	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
0913	10-23-25	S	1	FS41-0'		11							X					
0915		S	1	FS42-0'		12							X					
0921		S	1	FS43-0'		13							X					
0922		S	1	FS44-0'		14							X					
0922		S	1	FS45-0'		15							X					
0924		S	1	FS46-0'		16							X					
0918		S	1	FS55-0'		17							X					
0919		S	1	FS56-0'		18							X					
0925		S	1	FS57-0'		19							X					
0941		S	1	FS58-0'		20							X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge, <u>Higbino Gonzalez</u>																		
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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.																		



## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State							
Client: Matador				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Big Bull 305H Well Pad				Address: 3122 National Parks Hwy		E510314	25003-0002				x	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
0938	10-23-25	S	1	P559-01		21											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@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: Eric Plugge, Highway 50, Mile 27																	
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

## Envirotech Analytical Laboratory

Printed: 10/27/2025 11:25:28AM

## 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:	10/27/25 07:30	Work Order ID:	E510314
Phone:	(972) 371-5200	Date Logged In:	10/27/25 08:35	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	10/31/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## APPENDIX F

### NMOCD Correspondence

---

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 467138

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467138
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	Bug Bull 305 H well pad
Date Release Discovered	05/24/2025
Surface Owner	Federal

<b>Incident Details</b> <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

<b>Nature and Volume of Release</b> <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: Equipment Failure   Fitting   Crude Oil   Released: 19 BBL   Recovered: 2 BBL   Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	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)	1/4 tub sensing line from the 305 H well to the ESP pump VFD box came off, causing an unexpected release

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

QUESTIONS, Page 2

Action 467138

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467138
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

ACKNOWLEDGMENTS

Action 467138

**ACKNOWLEDGMENTS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467138
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.



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

CONDITIONS

Action 467138

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467138
	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.	5/27/2025

Impacted Soil	
Saturated Soil (inches)	
	1
On-pad	
	4849
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	2
Soil type	
hard caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	
	5.8
Barrel estimate (standing fluids/ recovered+in soil)	
	7.8

Impacted Soil	
Saturated Soil (inches)	
	0.1
Off-pad	
	68367
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	0
Soil type	
	Sand
Spill type	
	oil(crude)
Barrel estimate in soil	
	10.8
Barrel estimate (standing fluids/ recovered+in soil)	
	10.8

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

QUESTIONS

Action 467146

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 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	Bug Bull 305 H well pad
Date Release Discovered	05/24/2025
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: Equipment Failure   Fitting   Crude Oil   Released: 19 BBL   Recovered: 2 BBL   Lost: 17 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)	3/8" tub sensing line from the 305 H well to the ESP pump VFD box came off, causing an unexpected release

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

QUESTIONS, Page 2

Action 467146

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 05/27/2025
--	--

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

QUESTIONS, Page 3

Action 467146

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	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.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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.

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

CONDITIONS

Action 467146

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 467146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	5/27/2025



**From:** [Velez, Nelson, EMNRD](#)  
**To:** [Chad Hamilton: Enviro, OCD, EMNRD](#)  
**Cc:** [Ashley Giovengo; Jason Touchet](#)  
**Subject:** Re: [EXTERNAL] Extension Request - Matador Production Company - Big Bull 305 H Well Pad - nAPP2514723395  
**Date:** Friday, August 22, 2025 11:33:19 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[Outlook-v3fjr4ki.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Good afternoon Chad,

Thank you for the correspondence. Your 90-day time extension is approved.  
Remediation Due date has been updated to November 20, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



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**From:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Sent:** Friday, August 22, 2025 9:41 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>; Rodgers, Scott, EMNRD <[Scott.Rodgers@emnrd.nm.gov](mailto:Scott.Rodgers@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Buchanan, Michael, EMNRD <[Michael.Buchanan@emnrd.nm.gov](mailto:Michael.Buchanan@emnrd.nm.gov)>  
**Cc:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>; Jason Touchet

<jason.touchet@matadorresources.com>

**Subject:** [EXTERNAL] Extension Request - Matador Production Company - Big Bull 305 H Well Pad - nAPP2514723395

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

Hello all,

Matador Production Company (Matador) is requesting an extension of the current deadline of August 22, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Big Bull 305 H Well Pad (Site) (Incident Number nAPP2514723395). The release occurred on May 24, 2025, and 19 barrels (bbls) of crude oil were released; 10 bbls of crude oil were recovered. The release impacted an area on-pad approximately 1,695 sq ft (square feet) in size and an off-pad area approximately 7,256 sq ft in size on Federal Land. Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria is currently on-going. Matador is currently awaiting the completion of an Arch Survey to complete delineation activities. Excavation of the subject matter release will begin once delineation soil sampling activities have been completed at the Site. Matador intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Matador respectfully requests a 90-day extension until November 20, 2025. Please let me know if you have any further questions regarding this site.

Thanks



**Chad Hamilton**

Project Geologist

940-923-0072

**Ensolum, LLC**

in f 

**From:** [Velez, Nelson, EMNRD](#)  
**To:** [Chad Hamilton](#)  
**Cc:** [Jason Touchet](#); [Ashley Giovengo](#); [Enviro, OCD, EMNRD](#)  
**Subject:** Re: [EXTERNAL] Confirmation Sampling Variance - Big Bull 305H Well Pad - Incident Number nAPP2514723395  
**Date:** Wednesday, October 15, 2025 8:55:49 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[Outlook-mri02xt0.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Good morning Chad,

Thank you for the request. Your alternative sampling plan request not to exceed 400 square feet (ft.<sup>2</sup>) from the excavation floor and 200 ft.<sup>2</sup> from the excavation sidewalls for each five (5) point composite per 19.15.29.12D (1b) NMAC is approved. All other provisions addressed in 19.15.29.12D NMAC remain in effect.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Have a safe and productive day!

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>  
**Sent:** Monday, October 13, 2025 2:38 PM  
**To:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Jason Touchet <[jason.touchet@matadorresources.com](mailto:jason.touchet@matadorresources.com)>; Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Subject:** [EXTERNAL] Confirmation Sampling Variance - Big Bull 305H Well Pad - Incident Number

nAPP2514723395

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

Hello,

Matador Production Company (Matador) is requesting a confirmation sampling variance at the Big Bull 305H Well Pad (Site). On May 24, 2025, a disconnection of a ¼ inch sensing line on the Big Bull 305H well resulted in the release of approximately 19 barrels (bbls) of crude oil onto the caliche pad and adjacent pasture; 2 bbls of crude oil were recovered from the release area. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on May 27, 2025, and subsequently the release was assigned (Incident Number nAPP2514723395). The release impacted an area approximately 12,105 square feet (sq. ft.) in size on Federally owned Land managed by the Bureau of Land Management (BLM). The closest permitted groundwater well with depth to groundwater data within the last 25 years is New Mexico Office of the State Engineer (NMOSE) soil boring, CP 1884 POD1, located 1,795 feet southwest of the Site. The well had a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. A desktop review for potential site receptors has been completed, and the Site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is an intermittent dry wash located approximately 2,191 feet south of the Site. The closest wetland is located approximately 1.26 miles southeast of the Site. The Site is located in a (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg GRO+DRO, 2,500 mg/kg Total TPH and 10,000 mg/kg chloride.

Ensolum completed lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I on August 1, 2025 (see Table 1 and Table 1-CONT'D). Based on laboratory analytical results from delineation soil sampling results, the proposed excavation extent is 32,828 sq. ft. in size. Matador would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Matador is currently in the process of selecting a subcontractor for excavation activities and will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation soil sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 55 ft bgs, Matador believes this *variance request* will provide equal or better protection of public health, the environment. Matador respectfully requests approval for this *variance request* associated with Incident Number (nAPP2514723395).

Thanks,



**Chad Hamilton**

Project Geologist

940-923-0072

**Ensolum, LLC**

in f 

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

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Phone: (505) 629-6116

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

QUESTIONS

Action 514522

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514522
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

<b>Location of Release Source</b>	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	32,828
What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/16/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Eric Plugge @ (832) 525-6234
Please provide any information necessary for navigation to sampling site	32.501222,-103.62993

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

CONDITIONS

Action 514522

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514522
	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.	10/13/2025
j_touchet	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/13/2025

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QUESTIONS

Action 514523

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514523
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

Location of Release Source	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
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What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2025
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CONDITIONS

Action 514523

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514523
	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.	10/13/2025
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QUESTIONS

Action 514527

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514527
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

Location of Release Source	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
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What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/20/2025
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CONDITIONS

Action 514527

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514527
	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.	10/13/2025
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QUESTIONS

Action 514528

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514528
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

Location of Release Source	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
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	32,828
What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Eric Plugge @ (832) 525-6234
Please provide any information necessary for navigation to sampling site	32.501222,-103.62993

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CONDITIONS

Action 514528

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514528
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
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QUESTIONS

Action 514532

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514532
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

Location of Release Source	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
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	32,828
What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/22/2025
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CONDITIONS

Action 514532

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514532
	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.	10/13/2025
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QUESTIONS

Action 514534

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514534
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

Location of Release Source	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
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	32,828
What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/23/2025
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CONDITIONS

Action 514534

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 514534
	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.	10/13/2025
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QUESTIONS

Action 518824

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518824
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BUG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

Location of Release Source	
Site Name	BUG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
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	32,828
What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/24/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Eric Plugge @ (832) 525-6234
Please provide any information necessary for navigation to sampling site	32.501222,-103.62993

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CONDITIONS

Action 518824

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 518824
	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.	10/22/2025
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QUESTIONS

Action 527384

**QUESTIONS**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527384
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2514723395
Incident Name	NAPP2514723395 BIG BULL 305 H WELL PAD @ 30-025-47758
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-47758] BIG BULL FEDERAL COM #305H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	BIG BULL 305 H WELL PAD
Date Release Discovered	05/24/2025
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: Equipment Failure   Fitting   Crude Oil   Released: 19 BBL   Recovered: 2 BBL   Lost: 17 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)	3/8" tub sensing line from the 305 H well to the ESP pump VFD box came off, causing an unexpected release

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QUESTIONS, Page 2

Action 527384

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527384
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 11/18/2025
--	--

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QUESTIONS, Page 3

Action 527384

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527384
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
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)	9610
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	42900
GRO+DRO (EPA SW-846 Method 8015M)	30100
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	106

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	10/16/2025
On what date will (or did) the final sampling or liner inspection occur	10/23/2025
On what date will (or was) the remediation complete(d)	11/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	19600
What is the estimated volume (in cubic yards) that will be reclaimed	124
What is the estimated surface area (in square feet) that will be remediated	13228
What is the estimated volume (in cubic yards) that will be remediated	96

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.



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

QUESTIONS, Page 4

Action 527384

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527384
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<b>Yes</b>
What is the name of the NMED facility	<b>Lea Land fill</b>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<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	<b>Name: Jason Touchet</b> <b>Title: EHS Field Rep</b> <b>Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a></b> <b>Date: 11/18/2025</b>
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5  
  
Action 527384

QUESTIONS (continued)

Operator:  MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:  228937
	Action Number:  527384
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 527384

**QUESTIONS (continued)**

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527384
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	518824
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/24/2025
What was the (estimated) number of samples that were to be gathered	82
What was the sampling surface area in square feet	32828

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	13228
What was the total volume (cubic yards) remediated	96
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	19600
What was the total volume (in cubic yards) reclaimed	124
Summarize any additional remediation activities not included by answers (above)	Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Number nAPP2514723395.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: <a href="mailto:jason.touchet@matadorresources.com">jason.touchet@matadorresources.com</a> Date: 11/18/2025

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QUESTIONS, Page 7  
  
Action 527384

QUESTIONS (continued)

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

QUESTIONS

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

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CONDITIONS

Action 527384

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 527384
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	1/26/2026