

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

<https://www.emnrd.nm.gov/ocd/ocd-e-permitting/>

Recycling Facility and/or Recycling Containment

Type of Facility: ☒ Recycling Facility ☒ Recycling Containment*

Type of action: ☐ Permit ☐ Registration
☐ Modification ☐ Extension
☒ Closure ☐ Other (explain) _____

* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. Operator: Matador Production Company (For multiple operators attach page with information) OGRID #: 228937
Address: One Lincoln Centre 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240
Facility or well name (include API# if associated with a well): Ace Stern Vegas (124H)
OCD Permit Number: 2RF-182 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr SW 1/4 of SW 1/4 Section 21 Township 22S Range 28E County: Eddy
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2. ☐ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.3741935 Longitude -104.1001544 NAD83
Proposed Use: ☐ Drilling* ☒ Completion* ☐ Production* ☐ Plugging*
**The re-use of produced water may NOT be used until fresh water zones are cased and cemented*
☐ Other, requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.
☒ Fluid Storage
☐ Above ground tanks ☒ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type _____
☐ Activity permitted under 19.15.36 NMAC explain type: _____ ☐ Other explain _____
☐ For multiple or additional recycling containments, attach design and location information of each containment
☐ Closure Report (required within 60 days of closure completion): ☒ Recycling Facility Closure Completion Date: April 6th 2022

3. ☐ **Recycling Containment:** North tank
☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
Center of Recycling Containment (if applicable): Latitude 32.3741935 Longitude -104.1001544 NAD83
☐ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☐ Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☒ Other Fuel Grade TPU Bladder
☐ String-Reinforced
Liner Seams: ☐ Welded ☒ Factory ☐ Other _____ Volume: 10,000 bbl Dimensions: L 48.9 x W 48.9 x D 32
☒ Recycling Containment Closure Completion Date: April 6th 2022

4.

Bonding:

- ☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
- ☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$ _____ (work on these facilities cannot commence until bonding amounts are approved)
- ☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

Fencing:

- ☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☐ Alternate. Please specify _____

6.

Signs:

- ☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☐ Signed in compliance with 19.15.16.8 NMAC

7.

Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

- ☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation.

8.

Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting**Ground water is less than 50 feet below the bottom of the Recycling Containment.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No
☐ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

☐ Yes ☒ No
☐ NA

- Written confirmation or verification from the municipality; written approval obtained from the municipality

Within the area overlying a subsurface mine.

☐ Yes ☒ No

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division

Within an unstable area.

☐ Yes ☒ No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map

Within a 100-year floodplain. FEMA map

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

☐ Yes ☒ No

- Topographic map; visual inspection (certification) of the proposed site

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

☐ Yes ☒ No

- Visual inspection (certification) of the proposed site; aerial photo; satellite image

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

Within 500 feet of a wetland.

☐ Yes ☒ No

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site

9.

Recycling Facility and/or Containment Checklist:

Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☒ Design Plan - based upon the appropriate requirements.
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☒ Closure Plan - based upon the appropriate requirements.
- ☒ Site Specific Groundwater Data -
- ☒ Siting Criteria Compliance Demonstrations -
- ☒ Certify that notice of the C-147 (only) has been sent to the surface owner(s)

10.

Operator Application Certification:

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Cliff Humphreys Title: Engineer
Signature: *Cliff Humphreys* Date: February 22, 2023
e-mail address: chumphreys@matadorresources.com Telephone: 972-371-5288

11.

OCD Representative Signature: Victoria Venegas Approval Date: 03/14/2023

Title: Environmental Specialist OCD Permit Number: 2RF-182

- ☐ OCD Conditions
- ☐ Additional OCD Conditions on Attachment



January 27, 2023

Vertex Project #: 22E-02917

Investigation Summary: Ace Stern Vegas
County: Eddy

Prepared For: **Matador Production Company**
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Matador Production Company (Matador) retained Vertex Resource Services Inc. (Vertex) to conduct sampling in the area where the minion tank that was used for recycled water after the removal of the temporary storage facility tank at Ace Stern Vegas (hereafter referred to as "Ace Stern"). The coordinates of the investigation area at Ace Stern are located at N 32.3741935, W -104.1001544.

Site Investigation

Vertex personnel arrived on site on August 24, 2022 and collected a five-point composite sample point in the area where the temporary recycling tank was located. An aerial view and site schematic is included in Figure 1, Attachment 1. During field screening activities, no presence of contamination above criteria was found. All samples were jarred and sent for laboratory analysis. Field screening and laboratory analysis is included in Table 2. Laboratory data reports are included in Attachment 2.

Below is the closure criteria used for the investigation of the noticed area with the following constituent concentration limits as present in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
51 feet - 100 feet	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids, TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics, BTEX – benzene, toluene, ethylbenzene and xylenes

Matador Production Company
Ace Stern Vegas

2023 Sample Summary
January 2023

Table 2. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater 51-100 feet bgs													
Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic Chloride Concentration (mg/kg)
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration (ppm)	Volatile		Extractable					
						Benzene (mg/kg)	BTEX (Total) (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)	
			BS22-01	0	12/9/2022	-	729	1,050	ND	0.089	ND	290	280

Conclusion

The area where the recycling facility was located shows no signs of elevated contaminated above criteria. All laboratory samples collected came back below NMAC 19.15.29 criteria. Based on these findings, no further sampling or remedial activities are required.

This summary report was composed by Monica Peppin for Matador Production Company.



Monica Peppin, A. S.
PROJECT MANAGER, REPORTING
575.361.9880
mpeppin@vertex.ca

January 27, 2023

Date

Attachments

- Attachment 1. Site Schematic
- Attachment 2. Laboratory Analysis Report and COC

vertex.ca

3101 Boyd Drive, Carlsbad, New Mexico 88220, USA | P 575.725.5001

Matador Production Company
Ace Stern Vegas

2023 Sample Summary
January 2023

Limitations

This report has been prepared for the sole benefit of Matador Production Company. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Matador Production Company. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

ATTACHMENT 1



● Base Sample (Prefixed by "BS22-01 0ft)



0 5 10 20 30 Feet
Map Center:
Lat/Long: 32.374655, -104.100237

NAD 1983 UTM Zone 13N
Date: Dec 14/22



Sample Schematic
Ace Stern Vegas

FIGURE:

1

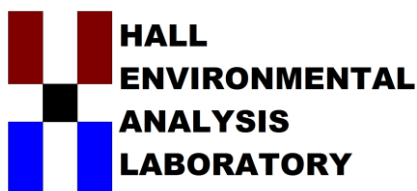


Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Background imagery from ESRI, 2022. Feature locations from GPS. Vertex Professional Services Ltd., 2022.

VERSATILITY. EXPERTISE.

ATTACHMENT 2



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 20, 2022

Monica Peppin

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX:

RE: Ace Stern Vegas

OrderNo.: 2212661

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/10/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2212661

Date Reported: 12/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-01 0ft

Project: Ace Stern Vegas

Collection Date: 12/9/2022 8:30:00 AM

Lab ID: 2212661-001

Matrix: MEOH (SOIL)

Received Date: 12/10/2022 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	290	15		mg/Kg	1	12/14/2022 10:25:57 AM
Motor Oil Range Organics (MRO)	280	49		mg/Kg	1	12/14/2022 10:25:57 AM
Surr: DNOP	122	21-129		%Rec	1	12/14/2022 10:25:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	12/13/2022 12:53:00 PM
Surr: BFB	96.5	37.7-212		%Rec	1	12/13/2022 12:53:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.016		mg/Kg	1	12/13/2022 12:53:00 PM
Toluene	ND	0.033		mg/Kg	1	12/13/2022 12:53:00 PM
Ethylbenzene	ND	0.033		mg/Kg	1	12/13/2022 12:53:00 PM
Xylenes, Total	0.089	0.065		mg/Kg	1	12/13/2022 12:53:00 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/13/2022 12:53:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	390	59		mg/Kg	20	12/12/2022 11:07:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212661
20-Dec-22

Client: Vertex Resources Services, Inc.
Project: Ace Stern Vegas

Sample ID: MB-72032	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 72032	RunNo: 93223
Prep Date: 12/12/2022	Analysis Date: 12/12/2022	SeqNo: 3359885 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-72032	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 72032	RunNo: 93223
Prep Date: 12/12/2022	Analysis Date: 12/12/2022	SeqNo: 3359887 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 93.4 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2212661

20-Dec-22

Client: Vertex Resources Services, Inc.**Project:** Ace Stern Vegas

Sample ID: LCS-72076	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 72076	RunNo: 93264								
Prep Date: 12/14/2022	Analysis Date: 12/14/2022	SeqNo: 3361787 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	90.5	64.4	127			
Surr: DNOP	5.6		5.000		112	21	129			

Sample ID: MB-72076	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 72076	RunNo: 93264								
Prep Date: 12/14/2022	Analysis Date: 12/14/2022	SeqNo: 3361788 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.7	21	129			

Sample ID: 2212661-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BS22-01 0ft	Batch ID: 72076	RunNo: 93357								
Prep Date: 12/14/2022	Analysis Date: 12/16/2022	SeqNo: 3366542 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	290	13	44.40	292.3	-9.50	36.1	154			S
Surr: DNOP	5.7		4.440		129	21	129			S

Sample ID: 2212661-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BS22-01 0ft	Batch ID: 72076	RunNo: 93357								
Prep Date: 12/14/2022	Analysis Date: 12/16/2022	SeqNo: 3366543 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	270	14	46.13	292.3	-54.2	36.1	154	7.49	33.9	S
Surr: DNOP	5.2		4.613		113	21	129	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2212661

20-Dec-22

Client: Vertex Resources Services, Inc.**Project:** Ace Stern Vegas

Sample ID: 2212661-001ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BS22-01 0ft	Batch ID: R93213			RunNo: 93213						
Prep Date:	Analysis Date: 12/13/2022			SeqNo: 3360489			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.4	70	130			
Surr: BFB	2100		1000		211	37.7	212			

Sample ID: 2212661-001amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BS22-01 0ft	Batch ID: R93213			RunNo: 93213						
Prep Date:	Analysis Date: 12/13/2022			SeqNo: 3360490			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.5	70	130	2.99	20	
Surr: BFB	2000		1000		196	37.7	212	0	0	

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: R93213			RunNo: 93213						
Prep Date:	Analysis Date: 12/13/2022			SeqNo: 3368679			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.6	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: R93213			RunNo: 93213						
Prep Date:	Analysis Date: 12/13/2022			SeqNo: 3368680			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	37.7	212			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2212661

20-Dec-22

Client: Vertex Resources Services, Inc.**Project:** Ace Stern Vegas

Sample ID: 2212661-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BS22-01 0ft	Batch ID: R93213	RunNo: 93213								
Prep Date:	Analysis Date: 12/13/2022	SeqNo: 3360495	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.4	68.8	120			
Toluene	1.0	0.050	1.000	0	100	73.6	124			
Ethylbenzene	1.0	0.050	1.000	0.007926	100	72.7	129			
Xylenes, Total	3.1	0.10	3.000	0.08881	101	75.7	126			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	70	130			

Sample ID: 2212661-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BS22-01 0ft	Batch ID: R93213	RunNo: 93213								
Prep Date:	Analysis Date: 12/13/2022	SeqNo: 3360496	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.2	68.8	120	3.22	20	
Toluene	0.98	0.050	1.000	0	97.9	73.6	124	2.51	20	
Ethylbenzene	0.99	0.050	1.000	0.007926	98.1	72.7	129	2.18	20	
Xylenes, Total	3.1	0.10	3.000	0.08881	98.9	75.7	126	2.10	20	
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	70	130	0	0	

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: R93213	RunNo: 93213								
Prep Date:	Analysis Date: 12/13/2022	SeqNo: 3368681	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: R93213	RunNo: 93213								
Prep Date:	Analysis Date: 12/13/2022	SeqNo: 3368682	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		110	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources
Services, Inc.

Work Order Number: 2212661

RcptNo: 1

Received By: Tracy Casarrubias 12/10/2022 8:20:00 AM

Completed By: Tracy Casarrubias 12/10/2022 9:18:31 AM

Reviewed By: *DAD* 12/10/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *TMC 12/10/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Yes			

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Tuesday, March 14, 2023 1:56 PM
To: Kyle Perkins; Cliff Humphreys
Subject: 2RF-182 - ACE STERN VEGAS (124H)
Attachments: C-147 2RF-182 - ACE STERN VEGAS (124H) Closure 03.14.2023.pdf

2RF-182 - ACE STERN VEGAS (124H) FACILITY ID [fVV2226956812]

Mr. Perkins,

NMOCD has reviewed the closure request Application ID: 191754 submitted by MATADOR PRODUCTION COMPANY [228937] on 02/28/2023 for 2RF-182 - ACE STERN VEGAS (124H) FACILITY ID [fVV2226956812] in M-21-22S-28E, Eddy County, New Mexico. This closure has been approved.

- Please note that according to NMAC 19.15.34.14.E. Once the operator has closed the recycling containment, the operator shall reclaim the containment's location to a safe and stable condition that blends with the surrounding undisturbed area. Topsoils and subsoils shall be replaced to their original relative positions and contoured so as to achieve erosion control, long-term stability and preservation of surface water flow patterns. The disturbed area shall then be reseeded in the first favorable growing season following closure of a recycling containment. The operator shall substantially restore the impacted surface area to the condition that existed prior to the construction of the recycling containment.
- Per NMAC 19.15.34.14.G: The re-vegetation and reclamation obligations imposed by federal, state trust land or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health, and the environment. In accordance with 19.15.34.14.H, the operator shall notify the division when reclamation and re-vegetation are complete.

Victoria Venegas • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
<https://www.emnrd.nm.gov/oed/>



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

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

CONDITIONS

Action 191754

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 191754
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed the closure request Application ID: 191754 submitted by MATADOR PRODUCTION COMPANY [228937] on 02/28/2023 for 2RF-182 - ACE STERN VEGAS (124H) FACILITY ID [rVV2226956812] in M-21-22S-28E, Eddy County, New Mexico. This closure has been approved. • Per NMAC 19.15.34.14.G: The re-vegetation and reclamation obligations imposed by federal, state trust land or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health, and the environment. In accordance with 19.15.34.14.H, the operator shall notify the division when reclamation and re-vegetation are complete.	3/14/2023