

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised April 3, 2017

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

IRP-4418

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Matador Resources	Contact Catherine Green	
Address 500 N Main St Suite One Roswell	Telephone No. 575-623-6601	
Facility Name Caudill #2	Facility Type Oil	
Surface Owner	Mineral Owner	API No.30-025-30406

LOCATION OF RELEASE

Unit Letter L	Section 8	Township 16S	Range 37E	Feet from the 1980	North/South Line FSL	Feet from the 810	East/West Line FWL	County Lea
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Latitude 32.9348221 Longitude -103.278389 NAD83

NATURE OF RELEASE

Type of Release Overflow of Produced Water tank	Volume of Release ~56barrels	Volume Recovered 35 barrels
Source of Release Recirculation pump	Date and Hour of Occurrence August 24, 2016	Date and Hour of Discovery August 24, 2016 9am
Was Immediate Notice Given? Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? Catherine Green	
By Whom? Rickie Anguiano	Date and Hour August 24, 2016	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

INFORMATION ONLY

Describe Cause of Problem and Remedial Action Taken.*

Connection broke to water dump valve. Gas lost on treater, circulating pump pumped oil out of oil tank to treater putting excess fluid in water tank.

Describe Area Affected and Cleanup Action Taken.*

Leak was contained in containment area. Excess fluid was vacuumed up and removed. Soil containing unsatisfactory levels of BTEX, DROs and chlorides was removed and replaced where possible. Microblaze was applied in areas where it is was infeasible to remove rock. See attached map and lab results.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Catherine Green		OIL CONSERVATION DIVISION	
Printed Name: Catherine Green		Approved by Environmental Specialist:	
Title: Regulatory Analyst		Approval Date:	Expiration Date:
E-mail Address: cgreen@matadorresources.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: July 26, 2017 Phone: 575-623-6601			



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
L 05621		L	LE			3	08	16S	37E	661147	3645185*	94	60	34
L 10230		L	LE	4	3	3	08	16S	37E	661045	3644883*	100	51	49
L 10363		L	LE	1	2	3	08	16S	37E	661235	3645486*	156	50	106
L 10364		L	LE	1	2	3	08	16S	37E	661235	3645486*	112	55	57
L 10559		L	LE			1	08	16S	37E	661128	3645985*	90		
L 10559 POD2		L	LE			1	08	16S	37E	661128	3645985*	113		
L 10561		L	LE	3	2	1	08	16S	37E	661217	3646087*	120	60	60
L 10601		L	LE	1	1	1	08	16S	37E	660816	3646283*	120	120	0
L 10903		L	LE			3	08	16S	37E	661147	3645185*	128	60	68
L 11615		L	LE	2	4	3	08	16S	37E	661444	3645085*	165		
L 12166 POD1		L	LE	3	2	1	08	16S	37E	661267	3646075	193		
L 13540 POD1	R	L	LE	3	2	1	08	16S	37E	661203	3646104	128	60	68
L 13540 POD2		L	LE	3	1	2	08	16S	37E	661547	3645991	202	120	82
L 13622 POD1		L	LE	1	2	1	08	16S	37E	659930	3646356	190		
L 14120 POD1		L	LE	3	4	3	08	16S	37E	661246	3644840	186	70	116

Average Depth to Water: **70 feet**

Minimum Depth: **50 feet**

Maximum Depth: **120 feet**

Record Count: 15

Basin/County Search:

Basin: Lea County

PLSS Search:

Section(s): 8

Township: 16S

Range: 37E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/26/17 9:52 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Detailed Site and Sample Map
Matador-Caudill # 002
 Lovington, New Mexico

Figure 2

By: _____ Date: _____ Revisions _____
 By: _____ Date: _____ Descri: _____
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Drawn _____ Lucas Middleton
 Checked _____
 Approved _____

201 South Halaguena Street
 Carlsbad, New Mexico 88221
 (575) 689-7040
www.soudermiller.com

SMA
 Saving the Southwest & Rocky Mountains

Table 2: Summary of Laboratory Analyses

Analytical Report- 1707B17	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1707B17-001	L1	6/30/2017	Surface	N/A	>3.9	2700	N/A
1707B17-002	L2	6/30/2017	Surface	N/A	>4.8	15	N/A
1707B17-003	L3	6/30/2017	Surface	N/A	>4.0	1900	N/A
1707B17-004	L4	6/30/2017	Surface	N/A	>4.3	200	N/A

Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates**Client Sample ID:** L1**Project:** Caudill 2**Collection Date:** 6/30/2017 12:00:00 PM**Lab ID:** 1707B17-001**Matrix:** MEOH (SOIL)**Received Date:** 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	2700	99	H	mg/Kg	10	7/21/2017 1:11:20 PM	32943
Surr: DNOP	0	70-130	SH	%Rec	10	7/21/2017 1:11:20 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9	H	mg/Kg	1	7/21/2017 12:31:14 PM	R44391
Surr: BFB	84.5	54-150	H	%Rec	1	7/21/2017 12:31:14 PM	R44391

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical ReportLab Order **1707B17**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates**Client Sample ID:** L2**Project:** Caudill 2**Collection Date:** 6/30/2017 1:00:00 PM**Lab ID:** 1707B17-002**Matrix:** MEOH (SOIL)**Received Date:** 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	15	9.6	H	mg/Kg	1	7/21/2017 2:44:46 PM	32943
Surr: DNOP	87.0	70-130	H	%Rec	1	7/21/2017 2:44:46 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	H	mg/Kg	1	7/21/2017 12:55:14 PM	R44391
Surr: BFB	80.7	54-150	H	%Rec	1	7/21/2017 12:55:14 PM	R44391

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates**Client Sample ID:** L3**Project:** Caudill 2**Collection Date:** 6/30/2017 2:00:00 PM**Lab ID:** 1707B17-003**Matrix:** MEOH (SOIL)**Received Date:** 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1900	96	H	mg/Kg	10	7/21/2017 1:55:46 PM	32943
Surr: DNOP	0	70-130	SH	%Rec	10	7/21/2017 1:55:46 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0	H	mg/Kg	1	7/21/2017 1:19:22 PM	R44391
Surr: BFB	84.4	54-150	H	%Rec	1	7/21/2017 1:19:22 PM	R44391

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: L4

Project: Caudill 2

Collection Date: 6/30/2017 3:00:00 PM

Lab ID: 1707B17-004

Matrix: MEOH (SOIL)

Received Date: 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	200	96	H	mg/Kg	10	7/21/2017 2:17:50 PM	32943
Surr: DNOP	0	70-130	SH	%Rec	10	7/21/2017 2:17:50 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3	H	mg/Kg	1	7/21/2017 1:43:32 PM	R44391
Surr: BFB	85.7	54-150	H	%Rec	1	7/21/2017 1:43:32 PM	R44391

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: L1-BKD

Project: Caudill 2

Collection Date: 6/30/2017 12:00:00 PM

Lab ID: 1707B17-005

Matrix: MEOH (SOIL)

Received Date: 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	120	9.6	H	mg/Kg	1	7/21/2017 3:13:27 PM	32943
Surr: DNOP	15.1	70-130	SH	%Rec	1	7/21/2017 3:13:27 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	4.9	3.9	H	mg/Kg	1	7/21/2017 12:35:41 PM	R44392
Surr: BFB	110	54-150	H	%Rec	1	7/21/2017 12:35:41 PM	R44392

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-BKD

Project: Caudill 2

Collection Date: 6/30/2017 1:00:00 PM

Lab ID: 1707B17-006

Matrix: MEOH (SOIL)

Received Date: 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1000	93	H	mg/Kg	10	7/21/2017 3:02:11 PM	32943
Surr: DNOP	0	70-130	SH	%Rec	10	7/21/2017 3:02:11 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	23	3.1	H	mg/Kg	1	7/21/2017 12:59:24 PM	R44392
Surr: BFB	154	54-150	SH	%Rec	1	7/21/2017 12:59:24 PM	R44392

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

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Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates**Client Sample ID:** L3-BKD**Project:** Caudill 2**Collection Date:** 6/30/2017 2:00:00 PM**Lab ID:** 1707B17-007**Matrix:** MEOH (SOIL)**Received Date:** 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	340	95	H	mg/Kg	10	7/21/2017 3:24:30 PM	32943
Surr: DNOP	0	70-130	SH	%Rec	10	7/21/2017 3:24:30 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	8.5	4.8	H	mg/Kg	1	7/21/2017 1:23:09 PM	R44392
Surr: BFB	109	54-150	H	%Rec	1	7/21/2017 1:23:09 PM	R44392

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707B17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: L4-BKD

Project: Caudill 2

Collection Date: 6/30/2017 3:00:00 PM

Lab ID: 1707B17-008

Matrix: MEOH (SOIL)

Received Date: 7/21/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	460	93	H	mg/Kg	10	7/21/2017 3:46:54 PM	32943
Surr: DNOP	0	70-130	SH	%Rec	10	7/21/2017 3:46:54 PM	32943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	12	3.5	H	mg/Kg	1	7/21/2017 1:46:57 PM	R44392
Surr: BFB	117	54-150	H	%Rec	1	7/21/2017 1:46:57 PM	R44392

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	Value above quantitation range
	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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified