

Meter Inspection

Meter: 27226SC1 - Mazer Rackham 20 Fed Com CTB SC1
Field Location:
Reason: Maintenance
Last Task Date: No Previous Task Entered
Date Performed: 7/13/2022 9:11:16AM

Identification

Customer:	003 - MarathonOil - Permian	Sub-Area:	South	State ID:		Township:	26s
Operator:	003 - MarathonOil - Permian	City:	Carlsbad	Federal ID:		Range:	29e
Company:	003 - MarathonOil - Permian	County:	Eddy	API Code:		Latitude:	32.03064
Division:	Permian	State:	New Mexico	Quarter:	A	Longitude:	-104.00144
Area:	PR DB - HPW A3	Country:	United States	Section:	20	Site Elevation:	2880 ft

Characteristics

Meter	
Calc. Method:	AGA-3 (1992)
Z Method:	AGA-8 Detail (1992)
Pressure Type:	Gauge
Atmos. Press:	13.200 psia
Pressure Base:	14.650 psia
Temp. Base:	60 °F
Viscosity:	0.0000069 lb/(ft*s)
Relative Density:	0.7724
Heating Value:	1295.3000 Btu/scf
CO2:	0.7689 %
N2:	2.3754 %
Sp. Heat Ratio:	1.3
Orifice	
Plate Size:	2.0000 in
Plate Serial:	
Tube ID:	4.0270 in
Tube Serial:	405686
Beta Ratio:	0.497
Tap Type:	Flange
Fitting Type:	Dual Chamber
Tap Location:	Upstream

Inspection

Meter Inspection			
	Found	Left	Average
Differential:	0.000	0.000	43.495 inH2O
Pressure:	-0.678	0.144	78.809 psi
Temperature:	101.153	111.066	97.648 °F
RTU Flow Rate:	0	0	Mcf/d
Flow Duration:	Day		
Use Averages:	Yes		
Calc. Volume:			
Total Error:			
Meter Time:	9:21:00AM - 10:07:00AM		
Orifice Inspection			
Plate Inspected:	Yes	Plate Size Found:	2.0000 in
Reason:		Size Measured:	2.0000 in
Edge Smooth:	Yes	Size RTU:	2.0000 in
Edge Sharp:	Yes	Tube ID Found:	4.0270 in
Surface Smooth:	Yes	ID RTU:	4.0270 in
Clean:	No	Beta Ratio:	0.497
Flat:	Yes	Plate Changed:	No
Beveled:	No	New Plate Serial:	
Bevel DS:	Yes	New Plate Size:	
Details:		New Beta Ratio:	
		Seal Inspection:	Good
		Leak Test:	Yes

Transmitters

Differential Pressure						
	Standard	Found	Left	Diff. inH2O	Read Err	Vol. Err
AP0 Zeroed:	No	0.026				
WP0 Zeroed:	No	-0.648				
1:	0.000	0.026	0.026	0.03		
2:	400.000	399.913	399.913	-0.09	-0.10	-0.08
3:	800.000	800.098	800.098	0.10	-0.04	-0.03
4:	640.000	639.945	639.945	-0.06	-0.06	-0.05
5:	160.000	159.921	159.921	-0.08	-0.24	-0.23
6:						
Left as Found:	Yes	Zero Adjusted:	No	Span Adjusted:	No	
Static Pressure						
	Standard	Found	Left	Diff. psi	Read Err	Vol. Err
1:	0.000	-0.704	-0.008	-0.70		-2.93
2:	150.000	149.064	149.917	-0.94	-0.29	-0.30
3:	300.000	299.476	299.931	-0.52	-0.08	-0.09
4:	240.000	239.597	240.013	-0.40	-0.08	-0.08
5:	60.000	59.478	59.943	-0.52	-0.36	-0.37
6:						
Left as Found:	No	Zero Adjusted:	Yes	Span Adjusted:	Yes	
Temperature						
	Standard	Found	Left	Diff. °F	Read Err	Vol. Err
1:	0.000					
2:	100.000					
3:	200.000					
4:	108.400	108.005	108.005	-0.40	0.03	0.04
Left as Found:	Yes	Zero Adjusted:	No	Span Adjusted:	No	

Notes

Calibrated SP. Replace damaged plate [4in 2.00]

Technician: Rolando Torres / MarathonOil - Permian

Witness:

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Equipment

	Brand	Model	Serial	Dev Range	Cal Range	Accuracy	Last Cert. Date
Meter:	Canalta	460DC40	405686				
DP Trans.:	Rosemount	4088A	27335	0 - 1000 inH2O	0 - 800 inH2O	0.10%	
DP Cal. Dev.:							
SP Trans.:	Rosemount	4088A	27335	0 - 3626 psig	0 - 300 psig	0.10%	
SP Cal. Dev.:							
TMP Trans.:	Rosemount	4088A	27335	0 - 200 °F	0 - 200 °F	0.10%	
TMP Cal. Dev.:							

Additional Characteristics

Meter			
Fluid Phase:	Gas	Measurement Type:	EFM
Meter Type:	Orifice	Run Number:	
Nominal Size:	4.027 in	Temperature Type:	Live
Contract Hour:	0	Dehydrated:	
Meter Purpose:	Sales	Dehyd. Date:	
Min. Flow Rate:	0 Mcf/h	Full Wellstream:	
Max Flow Rate:	0 Mcf/h	Wstm. Date:	
Orifice			
Plate Ref. Temp.:	68 °F	Tube Ref. Temp.:	68 °F
Plate Material:	304 Stainless Steel	Tube Material:	Carbon Steel
Plate Exp. Factor:	0.00000961 °F	Tube Exp. Factor:	0.0000062 °F

Additional Inspection

Meter Inspection			
Gas Flowing:	No	Open	Closed
Meter Status:	Active	Run Switch Valve:	
	Found	Left	Valve Leak Check:
Battery Voltage:		Station Leak. Test:	
		Ambient Temp.:	90.0 °F

EFM

EFM ID:	Serial:
Name:	FW Version: W68258 Ver1.63
Brand: Fisher	
Model: ROC800	

Analysis

CO2:	0.7689	iC5:	.4102	Ar:	0.0000	- C6/C7+ Split -
N2:	2.3754	nC5:	0.4443	CO:	0.0000	C6:
C1:	73.5263	C6:	0.7247	H2:	0.0000	C7:
C2:	12.6737	C7:	0.0000	O2:	0.0000	C8:
C3:	6.3117	C8:	0.0000	He:	0.0000	C9:
iC4:	0.8172	C9:	0.0000	H2O:	0.0000	C10:
nC4:	1.9475	C10:	0.0000	H2S:	0.0000	Total:
				Total:	100.0000	

Technicians & Witnesses

Technician/Company	Rolando Torres / MarathonOil - Permian (rtorres@marathonoil.com)	Witness/Company
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Flaring/Venting Event Volume (MCF):	125
Flare or vent:	Flare
Date:	6/7/2023
Time discovered:	6:56:00 AM
Time terminated:	3:14:00 PM
Total Duration (hrs):	8.3

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
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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

DEFINITIONS

Action 245156

DEFINITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 245156
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none">• this application's operator, hereinafter "this operator";• venting and/or flaring, hereinafter "vent or flare";• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";• the statements in (and/or attached to) this, hereinafter "the statements in this";• and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 245156

QUESTIONS

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	Action Number: 245156
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Unavailable.
Incident Facility	[fAPP2203941554] MAZER RACKHAM 20 FED COM TB

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	74
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 245156

QUESTIONS (continued)

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	Action Number: 245156
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/07/2023
Time vent or flare was discovered or commenced	06:56 AM
Time vent or flare was terminated	03:14 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Dump Valve Natural Gas Vented Released: 125 Mcf Recovered: 0 Mcf Lost: 125 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Equipment Malfunction
Steps taken to limit the duration and magnitude of vent or flare	As soon as flaring due to an equipment failure was identified, repairs were made as soon as practicable.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	As soon as the equipment failure was found, repairs were made.

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ACKNOWLEDGMENTS

Action 245156

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	Action Number: 245156
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 245156

CONDITIONS

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	Action Number: 245156
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
icastro	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	7/28/2023