

# Orifice Meter Test Report

**Meter:** 100221315

**- PRATT F-1 BULK**

**Date Performed:** July 10, 2017 10:52 Rev 2

Company:	Crestone Peak Resources	Cal Freq:	Annual	IP Radio ?:	Yes	Quarter:	NWNW
BU:		County:	WELD			Section:	29
Area:	DJ Basin	State:	Colorado	Address:	180	Township:	1N
Route:	I			Group:	59	Range:	68W
Last Test:	07/14/2016	Reason for Test:	Calibration	Firmware Ver.:	1.40	MVS Serial:	295466

Flowing Conditions			
	Found	Left	Average
Differential:	10.014	10.014	10.00
Pressure:	132.203	132.203	132.20
Temperature:	100.100	100.10	97.60
RTU Flow Rate:			

Meter Inspection			
PrimBrand:	Model:	Ser #:	
RTU Brand: FISHER	Model: ROC 107 REM	Ser #: 19067081	
DP Range: 0-250	Model:	Ser #:	
SP Range: 0-300	Model:	Ser #:	
Tmp Range: 0-150	Model:	Ser #:	

Static Location: Upstream Tap Type: Flange

Leak Test: No Zero Cutoff: 0.50

Orifice Plate			
Plate Size Existing:	1.625		
Plate Size Found:	1.625	Seal Inspection:	Good
Tube Size Existing:	3.068	Tube Serial:	32074.10

Plate Inspected: Yes Plate Clean No Edge Sharp Yes Oily Yes

Smooth No Surface Flat Yes Dirty Yes

Bevel No Beveled DS No Rough Yes

Bowed No Nicked No

Plate Changed: Yes

Plate Size Left: 1.375

Meter Constants			
Calculation Method:	AGA3-1992	FPV Method:	AGA8-Gross2
PSIA/PSIG:	PSIA	Measured BTU:	1280.10
Atmos. Press.:	12.20	Specific Gravity:	0.7699
Pressure Base:	14.73	N2:	0.358
Temp. Base:	60.00	CO2:	2.534

DP Calibration				
Standard	Found	Left	Flow Rate Error	
Reset A.P.O	No	-0.02		
Reset W.P.O				
0.000	-0.023	-0.023		
125.000	124.956	124.956		-0.01 %
250.000	249.990	249.990		0.00 %
175.000	174.991	174.991		0.00 %
75.000	75.002	75.002		0.02 %
0.000	-0.015	-0.015		
10.000	10.014	10.014		0.18 %

SP Calibration			
Atmos. Press. Source:	Fixed	Obs. Atmos. Press:	12.20
Standard (PSIA)	Found (PSIA)	Left (PSIA)	Flow Rate Error
12.200	12.172	12.172	-0.12 %
162.200	162.244	162.244	0.01 %
312.200	312.236	312.236	0.01 %
132.200	132.203	132.203	0.00 %

Temperature Calibration			
Standard	Found	Left	Flow Rate Error
97.60	100.10	100.10	-0.24 %
Total Error:			-0.06 %

**Remarks:**

07-10-2017 - O. F. SN IS 66748. METER TUBE SN WAS CORRECTED. OPC FROM 1.625 TO 1.375 BECAUSE OF LOW DIFF AVERAGE.

Witness: Signed: Karen Petersen

% errors stated on this report are based on spot averages and are not the values used for volume corrections

# Orifice Meter Test Report

**Meter: 100221315 - PRATT F-1 BULK**

**Date Performed: January 13, 2018 12:30 Rev 1**

Company:	Crestone Peak Resources	Cal Freq:	Annual	IP Radio ?:	Yes	Quarter:	NWNW
BU:		County:	WELD	Radio Number:		Section:	29
Area:	DJ Basin	State:	Colorado	Address:	180	Township:	1N
Route:	I			Group:	59	Range:	68W
Last Test:	12/30/1899	Reason for Test:	Adjust DP	Firmware Ver.:	1.40	MVS Serial:	295466

## Flowing Conditions

	Found	Left	Average
Differential:			
Pressure:			
Temperature:			
RTU Flow Rate:			

## Meter Inspection

RTU Brand:	<u>FISHER</u>	Model:	<u>ROC 107 REM</u>	Ser #:	<u>19067081</u>
DP Range:	<u>0-250</u>	Model:	<u>                    </u>	Ser #:	<u>                    </u>
SP Range:	<u>0-300</u>	Model:	<u>                    </u>	Ser #:	<u>                    </u>
Tmp Range:	<u>0-150</u>	Model:	<u>                    </u>	Ser #:	<u>                    </u>

Static Location:	<u>Upstream</u>	Tap Type:	<u>Flange</u>
Leak Test:	No	Zero Cutoff:	0.50

## Orifice Plate

Plate Size Existing:	<u>1.375</u>		<u>                    </u>
Plate Size Found:	<u>1.375</u>	Seal Inspection:	<u>Good</u>
Tube Size Existing:	<u>3.068</u>	Tube Serial:	<u>                    </u>

Plate Inspected: <u>Yes</u>	Plate Clean <u>No</u>	Edge Sharp <u>No</u>	Oily <u>No</u>
	Smooth <u>No</u>	Surface Flat <u>No</u>	Dirty <u>Yes</u>
	Bevel <u>No</u>	Beveled DS <u>No</u>	Rough <u>Yes</u>
	Bowed <u>No</u>	Nicked <u>No</u>	

Plate Changed: Yes New Plate Serial: \_\_\_\_\_  
Plate Size Left: 1.500

## Meter Constants

Calculation Method:	AGA3-1992	FPV Method:	AGA8-Gross2
PSIA/PSIG:		Measured BTU:	1280.10
Atmos. Press.:	12.20	Specific Gravity:	0.770
Pressure Base:	14.73	N2:	0.358
Temp. Base:	60.00	CO2:	2.534

## DP Calibration

[illegible]

## SP Calibration

[illegible]

## Temperature Calibration

Standard	Found	Left	Flow Rate Error

**Total Error:**

**Remarks:**

plate changed due to meter overranging/1.375" plate showed a lot of wear/went from 1.375" to 1.5"

Witness: \_\_\_\_\_ Signed: Dan Gibson

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