

Orifice Meter Test Report

Meter: 52901117 - SMITH-WOLTER GAS UNIT /B/ NO.1

Date Performed: January 5, 2022 11:15 Rev 1

Company:	<u>BP AMERICA</u>	Fed/ Indian:	<u>COC46244</u>
Area:	<u>Dry Creek North</u>	State:	<u>Colorado</u>
Last Test:	<u>07/17/2019</u>	Reason for Test:	<u>meter test</u>

Sch Month:	01 January
Seq Verified:	Yes
User Defined 3:	
Seq Corrected:	N/A

Flowing Conditions

	Found	Left	Average
Differential:	<u>0.05</u>	<u>0.06</u>	<u>0.00</u>
Pressure:	<u>82.52</u>	<u>1.93</u>	<u>0.01</u>
Temperature:	<u>54.00</u>	<u>50.03</u>	<u>0.01</u>
RTU Flow Rate:	<u>0.00</u>	<u>0.00</u>	
	<u> </u>	<u> </u>	
Meter Time:	<u>11:15:00</u>	<u>11:45:00</u>	

Meter Inspection

PrimBrand:	<u>Daniels</u>	Model:	<u>Simplex</u>	Ser #:	<u>89430176</u>
RTUBrand:	<u>Bristol Babcock</u>	Model:	<u>3310 2300</u>		
Firmware Version:					
DP Range:	<u>0-150</u>	Model:	<u>3508</u>	Ser #:	<u>01-58381-1</u>
SP Range:	<u>0-500</u>	Model:	<u>3508</u>	Ser #:	<u>01-58381-1</u>
Tmp Range:	<u>32-150</u>	Model:	<u>3508</u>	Ser #:	<u>01-58381-1</u>

Static Location:	<u>Upstream</u>	Tap Type:	<u>Flange</u>
Leak Test:	Yes	Zero Cutoff:	0.25

Orifice Plate

Plate Size Existing:	<u>0.500</u>	
Plate Size Found:	<u>0.500</u>	Seal Inspection: <u>Good</u>
Tube ID Existing:	<u>2.068</u>	

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

Plate Changed: No _____
Plate Size Left: _____

Meter Constants

Calculation Method:	AGA3-1992	FPV Method:	AGA8-Gross2
Pressure Type:	PSIG	Measured HV:	
Atmos. Press.:	11.300	Specific Gravity:	
Pressure Base:	14.73	N2:	
Temp. Base:	60.00	CO2:	

DP Calibration

[illegible]

SP Calibration

Standard (PSIG)	Found (PSIG)	Left (PSIG)	Flow Rate Error
0.00	-0.03	-0.03	
83.00	83.03	83.03	
500.00	500.03	500.03	

Temperature Calibration

Standard	Found	Left	Flow Rate Error
54.47	53.00	53.00	
54.47	53.00	54.34	
		Total Error:	

Remarks:

Witness: _____ Signed: Tristan Dwinell

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

Orifice Meter Test Report

Meter: 52901117

- SMITH-WOLTER GAS UNIT /B/ NO.1

Date Performed: March 3, 2022 12:49 Rev 2

Company:	BP AMERICA	City:	COC46244	State ID:		User Defined 1:	
Division:		County:		Federal ID:		User Defined 2:	
Area:	Dry Creek North	State:	Colorado	API Code:		User Defined 3:	
Sub-Area:		Agency:		Latitude:		User Defined 4:	
Last Test:		Reason for Test:	meter test	Longitude:		Site Elevation:	

Flowing Conditions

	Found	Left	Average
Differential:	<u>172.00</u>	<u>53.00</u>	<u>0.00</u>
Pressure:	<u>106.00</u>	<u>101.00</u>	<u>0.01</u>
Temperature:	<u>63.00</u>	<u>64.00</u>	<u>0.01</u>
RTU Flow Rate:	<u> </u>	<u> </u>	
Found:	<u> </u>	<u> </u>	
Meter Time:	<u> </u>	<u> </u>	

Meter Inspection

PrimBrand: _____ Model: _____ Ser #: _____
 RTUBrand: _____ Model: _____ Ser #: _____
 Firmware Version: _____
 DP Range: _____ Model: _____ Ser #: _____
 SP Range: _____ Model: _____ Ser #: _____
 Tmp Range: _____ Model: _____ Ser #: _____

Static Location:	<u>Upstream</u>	Tap Type: <u>Flange</u>
Leak Test:	<u>Yes</u>	Zero Cutoff: _____

Orifice Plate

Plate Size Existing:	<u>0.500</u>	
Plate Size Found:	<u>0.500</u>	Seal Inspection: <u> </u>
Tube ID Existing:	<u>2.068</u>	

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

Plate Changed: Yes

Plate Size Left: 0.875

Meter Constants

Calculation Method:	_____	FPV Method:	_____
Pressure Type:	_____	Measured HV:	_____
Atmos. Press.:	_____	Specific Gravity:	_____
Pressure Base:	_____	N2:	_____
Temp. Base:	_____	CO2:	_____

DP Calibration

[illegible]

SP Calibration

Standard ()	Found ()	Left ()	Flow Rate Error

Temperature Calibration

Standard	Found	Left	Flow Rate Error
		Total Error:	

Remarks:

Witness: _____ Signed: Levi Blocker

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

Orifice Meter Test Report

Meter: 52901117

- SMITH-WOLTER GAS UNIT /B/ NO.1

Date Performed: August 3, 2022 12:15 Rev 1

Company: _____

Fed/ Indian _____

Sch Month: 06 June

Seq Verified: Yes

Area: Dry creek north

State: Colorado

User Defined 3: _____

Seq Corrected: N/A

Last Test: 08/03/2022

Reason for Test: _____

Flowing Conditions			
	Found	Left	Average
Differential:	7.00	22.00	7.00
Pressure:	91.00	92.00	91.00
Temperature:	90.00	90.00	90.00
RTU Flow Rate:	_____	_____	_____
_____	_____	_____	_____
Meter Time:	12:16:00	12:50:00	

Meter Inspection

PrimBrand: _____ Model: _____ Ser #: _____

RTUBrand: _____ Model: _____

Firmware Version: _____

DP Range: 0-150 Model: 3508 Ser #: n/a

SP Range: 0-500 Model: 3508 Ser #: n/a

Tmp Range: 32-150 Model: 3508 Ser #: n/a

Static Location: Upstream Tap Type: Pipe

Leak Test: Yes Zero Cutoff: _____

Orifice Plate

Plate Size Existing: 0.875

Plate Size Found: 0.875 Seal Inspection: Good

Tube ID Existing: 2.060

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

Smooth Yes Surface Flat Yes Dirty No

Bevel Yes Beveled DS Yes Rough No

Bowed No Nicked No

Plate Changed: No

Plate Size Left: _____

Meter Constants			
Caclulation Method:	AGA3-1992	FPV Method:	AGA8-Gross2
Pressure Type:	PSIG	Measured HV:	_____
Atmos. Press.:	11.300	Specific Gravity:	_____
Pressure Base:	14.73	N2:	_____
Temp. Base:	60.00	CO2:	_____

DP Calibration			
Standard	Found	Left	Flow Rate Error
Reset A.P.0	-0.05		
Reset W.P.0	-0.05		
0.00	-0.05	0.00	
7.00	7.35	7.00	
150.00	148.27	149.96	
0.00	-0.05	0.00	
0.00	-0.05	0.00	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	

SP Calibration			
Standard (PSIG)	Found (PSIG)	Left (PSIG)	Flow Rate Error
0.00	0.03	0.03	
91.00	90.94	90.94	
500.00	499.82	499.82	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	
_____	_____	_____	

Temperature Calibration			
Standard	Found	Left	Flow Rate Error
88.75	90.60	88.80	
88.75	90.60	88.80	
_____	_____	_____	
_____	_____	_____	
Total Error:			2.24%

Remarks:

Witness: _____ Signed: Chase Polledo