

# Orifice Meter Test Report

**Meter:** 52901102      **- THACKER GAS UNIT NO.1**      **Date Performed:** July 14, 2021 14:41 Rev 1

Company:	BP AMERICA	Fed/ Indian	n/a	Sch Month:	07 July
Area:	Dry Creek North	State:	Colorado	Seq Verified:	Yes
Last Test:	07/23/2020	Reason for Test:	Meter Test	User Defined 3:	
				Seq Corrected:	N/A

Flowing Conditions			
	Found	Left	Average
Differential:	57.83	91.41	58.00
Pressure:	59.35	61.63	59.00
Temperature:	87.74	87.28	87.74
RTU Flow Rate:	9.05	12.20	
Meter Time:	2:41:10	3:05:00	

**Meter Inspection**

PrimBrand: Daniels    Model: Simplex    Ser #: 89200017

RTU Brand: Bristol Babcock    Model: 3310 2300

Firmware Version:

DP Range: 0-150    Model: Bristol Babcock    Ser #: 1528870303

SP Range: 0-500    Model: Bristol Babcock    Ser #: 1528870303

Tmp Range: 32-150    Model: Bristol Babcock    Ser #: 1528870303

Static Location: Upstream    Tap Type: Flange

Leak Test: Yes    Zero Cutoff: 0.25

**Orifice Plate**

Plate Size Existing: 0.750

Plate Size Found: 0.750    Seal Inspection: Good

Tube ID Existing: 2.071

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**

Calculation Method: AGA3-1992    FPV Method: AGA8-Gross2

Pressure Type: PSIG    Measured HV:

Atmos. Press.: 11.389    Specific Gravity:

Pressure Base: 14.73    N2:

Temp. Base: 60.00    CO2:

DP Calibration				
Standard	Found	Left	Flow Rate Error	
Reset A.P.0	Yes	-0.10		
Reset W.P.0	Yes	-0.09	0.00	
0.00	-0.10	0.00		
150.00	149.91	150.03		
58.00	57.92	58.02		
0.00	-0.10	0.01		
0.00	-0.09	0.00		

SP Calibration			
Standard (PSIG)	Found (PSIG)	Left (PSIG)	Flow Rate Error
0.00	0.01	0.01	
500.00	500.00	500.00	
59.00	59.02	59.02	

Temperature Calibration			
Standard	Found	Left	Flow Rate Error
87.74	87.73	87.73	
Total Error:			-0.04%

**Remarks:**

Witness: \_\_\_\_\_ Signed: Derrick Stock

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

Orifice Meter Test Report

Meter: 52901102- THACKER GAS UNIT NO.1

Company: Fed/ Indian

Sch Month: 07 July

Area: Dry Creek NorthState: Colorado

Seq Verified: Yes

Last Test: 08/03/2022Reason for Test:

User Defined 3:

Seq Corrected: N/A

Flowing Conditions

	Found	Left	Average
Differential:	3.00	97.00	47.27
Pressure:	53.00	59.00	59.40
Temperature:	101.00	93.00	74.59
RTU Flow Rate:			
Meter Time:	10:42:00	11:29:00	

Meter Inspection

PrimBrand: Model: Ser #:

RTUBrand: Model:

Firmware Version:

DP Range: 0-150Model: 3808Ser #: n/a

SP Range: 0-500Model: 3808Ser #: n/a

Tmp Range: 32-150Model: 3808Ser #: n/a

Static Location: UpstreamTap Type: Pipe

Leak Test: YesZero Cutoff:

Orifice Plate

Plate Size Existing: 0.750

Plate Size Found: 0.750Seal Inspection: Good

Tube ID Existing: 2.071

Plate Inspected: YesPlate Clean: NoEdge Sharp: NoOily: No

Smooth: NoSurface Flat: YesDirty: Yes

Bevel: YesBeveled DS: YesRough: No

Bowed: NoNickled: Yes

Plate Changed: Yes

Plate Size Left: 0.625

Meter Constants

Caclulation Method:	AGA3-1992	FPV Method:	AGA8-Gross2
Pressure Type:	PSIG	Measured HV:	
Atmos. Press.:	11.380	Specific Gravity:	
Pressure Base:	14.73	N2:	
Temp. Base:	60.00	CO2:	

DP Calibration

Standard	Found	Left	Flow Rate Error
Reset A.P.0	0.08		
Reset W.P.0	0.08		
0.00	0.08	0.00	
47.00	47.47	47.00	
150.00	150.42	150.00	
0.00	0.08	0.00	
0.00	0.08	0.00	

SP Calibration

Standard (PSIG)	Found (PSIG)	Left (PSIG)	Flow Rate Error
0.00	0.04	0.04	
53.00	53.07	53.07	
500.00	500.15	500.15	

Temperature Calibration

Standard	Found	Left	Flow Rate Error
97.91	102.35	97.87	
97.91	102.35	97.87	

Total Error: 0.11%

Remarks:

Witness: Signed: Chase Polledo

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