



**Production Management
Measurement, Analytical,
Automation, Well Testing**
Office: 970-245-2490 Fax: 970-245-2492 P.O.
BOX 3866 Grand Junction, CO 81501

PETROX - ELECTRONIC FLOW MEASUREMENT CALIBRATION REPORT

LOCATION NO.	#0013	COUNTY	Archuleta	STATE	Colorado	DATE	12/30/2021								
STATION OR CUSTOMER	Fosset Gulch Unit 9U #4	RTU ADDRESS	1	RTU GROUP	2	FEDERAL LEASE #	NA								
GPS LOCATION	N 37° 12' 7"	W 107° 23' 11"	ELEVATION	7120	LAST CAL DATE	6/30/2020	TIME OF TEST	12:00 PM							
FLOW COMPUTER	Flow Boss 503	MAKE	Fisher	CALCULATION METHOD	AGA 3 1992, AGA 8 DETAIL	LEAK TEST	OK	PASS	X	NO PASS	FIXED	NOT FIXED			
TRANSDUCER TYPE	Flow Boss 503	MODEL NUMBER	RSE23S	SERIAL NUMBER	351439	ACCY MVT SPAN DP/SP	0.05%	TEMP deg F	0.50	MVT FC #	0				
ATMOS DEVICE	MONARK MODEL 5696-0321-Cal SER# 40000571, CAL DATE 08/2021	PRESS DEVICE	CRYSTAL MODEL IS336/3000, SER# 2262-144727 CAL DATE 12/16/19	TEMP DEVICE	THERMOPROBE TL-1A SER# 1-11656 CAL DATE 12/7/18	RTD DEVICE	Altek Series 11 SER# 161092 CAL DATE 12/07/18								
PRESS RANGE	4.4 TO 17.4 PSI ACCY 0.02% IN PSI 0.003	PRESS RANGE	0-3000 PSI 0-996.5" H2O ACCY 0.05% IN H2O 0.5	TEMP RANGE	32°-250° F ACCY 0.10% IN DEG F 0.218	OHMS RANGE	10-2000 Ohms ACCY 0.025% IN DEG F 0.19								
DIFFERENTIAL TEST						STATIC TEST									
AI #	0	DEVICE RANGE	0" H2O 400	ZERO UNDER PRESSURE	AS Found -0.22	AS LEFT	0.00	AI #	1	DEVICE RANGE	0 PSIA 3000	BASE PRESS	14.73	ATMOS PRESS	11.34
		CALIB RANGE	0" H2O 400							CALIB RANGE	0 PSIG 125				
MVT ACCY OF CAL RANGE in INCH H2O	0.20	LIVE DIFF READING	AS Found -0.22	AS LEFT	0.00	MVT ACCY OF CAL RANGE in PSI	0.06	LIVE STATIC READING	AS Found 261.29	AS LEFT	261.61				
AS FOUND				ALLOWABLE THRESHOLD	0.539	AS LEFT		AS FOUND				ALLOWABLE THRESHOLD	1.501	AS LEFT	
TEST DEVICE	FLOW COMPUTER	DIFFERENCE	FLOW COMPUTER	TEST DEVICE (PSIG)	FLOW COMPUTER (PSIG)	DIFFERENCE	FLOW COMPUTER (PSIG)								
ZERO ATOMOS	0	-0.194	0.194	-18.92	ZERO	11.34	-0.026	11.366	Same						
AVG DP	10	2.313	7.687	20.05	AVG SP	61.34	78.240	-16.900	Same						
FULL RANGE	250	62.015	187.985	201.26	FULL RANGE	136.34	261.290	-124.950	Same						
V-CONE FITTING						TEMPERATURE TEST									
SIZE ID	1.939	CONE SIZE	1.732	BETA RATIO	0.450	AI #	2	DEVICE RANGE	-50 to 250°F	CALIB RANGE	0 to 150°F				
METER FACTOR	0.8778					Preform temperature test when line temperature (as found) is highlighted and out of the allowable threshold of equipment accuracy.									
MAKE	McCometer	TYPE	FLANGED TAPS	STATIC TAP	UP STREAM	AS FOUND			ALLOWABLE THRESHOLD	0.535	AS LEFT				
SERIAL #	#09-2562					DEVICE	FLOW COMPUTER	DIFFERENCE	FLOW COMPUTER						
BASE CALC INFORMATION	ATMOS PRESS 14.65	TEMPERATURE 60° F	SPECIFIC GRAVITY 1.0	ZERO				0.000							
SPECIFIC GRAVITY	0.61	SELLER	PETROX	AVG TEMP				0.000							
		PURCHASER	RED CEDER	FULL RANGE				0.000							
REMARKS						LINE TEMPERATURE					ALLOWABLE THRESHOLD	0.545			
						AS FOUND	AS FOUND	AS LEFT	AS LEFT						
						THERMOMETER	FLOW COMPUTER	THERMOMETER	FLOW COMPUTER						
						34.92	34.43	AS FOUND	AS FOUND						
Attempted Meter Test. Found Well Flowing at 261 psi Static & 0 Dp. Attempted to calibrate where Dp values would hold momentarily then return to as found values. Same thing happened with the Static. Cycled power on the Transducer and RTU with no result. Notified Dustin Nystrom of the problems.															
TECHNICIAN SIGNATURE						<i>Jay Soderlund</i>									
WITNESS NOTIFICATION						REVIEW									
COMPANY	CONTACT METHOD			REVIEWED BY			<i>Lisa Chick</i>								
CONTACT	DATE			DATE			1/7/2021								
WITNESS SIGNATURE	WITNESS DATE														