



Williams Midstream
GQ2 - Certificate of Analysis
Period: July 2016

Gas Quality Name:	36601		
Gas Quality Description:	LV HAMNER B 1		
Lab Code:			
Effective Date/Time:	September-24-2015 8:00 AM	Analyzed Date/Time:	September-25-2015 6:19 AM
Sample Date/Time:	September-21-2015 9:16 AM	Sample Type:	Periodic Gas Sample - Spot
Sampled By:		Sample Number:	0626

Component	Units	GQ Data	GPM 2145 2009	
Hydrogen (H2)				
Helium (He)				
Oxygen (O2)				
Carbon Monoxide (CO)				
Argon (Ar)				
Hydrogen Sulfide (H2S)		0.000		
Nitrogen (N2)		0.192		
Carbon Dioxide (CO2)		0.387		
Methane (C1)		86.781	14.752	
Ethane (C2)		7.326	1.964	
Propane (C3)		3.196	0.883	
I-butane (IC4)		0.517	0.170	
N-butane (NC4)		0.806	0.255	
I-pentane (IC5)		0.254	0.093	
N-pentane (NC5)		0.190	0.069	
Hexanes (C6)		0.211	0.087	
Heptanes (C7)		0.105	0.049	
Octanes (C8)		0.035	0.018	
Nonanes (C9)		0.000	0.000	
Decanes (C10)		0.000	0.000	
C6+		0.351		
C5 Plus		0.008		
CO2 + N2		0.006		
Total Composition		100.000		

Calculation Parameters

Sample Pressure:		209.00		
Sample Temperature:		71.00		
Pressure Base	pressure unit	14.73		
Temperature Base	temp unit	60.00		
Heating Value:		1171.567	Specific Gravity:	0.664

Remark:	<rfarrow>:

ENTERPRISE FIELD SERVICES LLC (SAN JUAN)
Preparer Code: 135476534
Statement Title: Measurement Audit Statement(Differential)
MEAS Contact: BARRY MCDANIEL (505)599-3207
STMT Contact: MARCUS WARE (713)381-7816

Accounting/Production Period: 03/2019
Meter ID: 92476-01
Meter Name: A B GEREN #6
BTU Basis: Dry
Reporting Basis: MCF @ 14.730

MUSTANG RESOURCES LLC
Recipient Code:
Location Code: NA DRN
Report Date/Time: 04/10/2019 07:58
Federal Lease: SF-080245-B

CERTIFICATE OF ANALYSIS

Sample Id: 92476
Sample Desc: A B GEREN #6

Effective Date: 01/01/2019 07:00
Sample Date: 12/17/2018 15:46
Analyzed Date:
Sample Freq: SEMIANNUALLY

Sample Type: SPOT
Sampled By:
Analyzed By: FSLAB
GPA Version: 2145-16

District: Meas 200-Pipe 200-Supv C
Device: (No spec equip)
Chrom ID: N/A

Sample Temp (F): 50.0
Sample Press (PSIG): 144.0
Press Base: 14.73

Component	Mole %	GPM	Others	Mole %	GPM
Methane	88.7934	0.0000	Carbon Dioxide	1.6927	0.0000
Ethane	6.8802	1.8443	H2S	0.0000	0.0000
Propane	1.9033	0.5256	Nitrogen	0.0687	0.0000
Iso Butane	0.3281	0.1076	* Hydrogen	0.0000	0.0000
Butane	0.1785	0.0564	* Oxygen	0.0000	0.0000
Iso Pentane	0.0632	0.0232	* Helium	0.0000	0.0000
Pentane	0.0250	0.0091	* Argon	0.0000	0.0000
NeoPentane	0.0000	0.0000	* Carbon Monoxide	0.0000	0.0000
Hexane	0.0669	0.0299			
* Heptane	0.0000	0.0000	Sub Total Others	1.7614	0.0000
* Octane	0.0000	0.0000			
* Nonane	0.0000	0.0000			
* Decane	0.0000	0.0000			
Sub Total GPM	98.2386	2.5961			
Others	1.7614	0.0000			
Total	100.0000	2.5961			

Gravity: 0.6348
Dry BTU: 1095.4
Wet BTU: 1076.3

* Not Tested