

Gas Composition and Properties

Anadarko, Kerr McGee Gath, Western Gas
Partners

Effective March 20, 2018 00:00 - January 18, 2038 21:14

Source #: 100205013
Name: MORRIS 13-4

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	3.3951		5.1609
Nitrogen, N2	2.1139		2.0454
Methane, C1	55.6498		30.8362
Ethane, C2	13.0958	3.5251	13.6013
Propane, C3	14.0165	3.8867	21.3483
iso-Butane, iC4	1.5428	0.5082	3.0973
n-Butane, nC4	5.9944	1.9021	12.0342
iso-Pentane, iC5	1.3225	0.4868	3.2957
n-Pentane, nC5	1.2875	0.4697	3.2085
Neo-Pentane, NeoC5			
Hexanes, C6	0.6198	0.2565	1.8449
Heptanes, C7	0.6142	0.2852	2.1258
Octanes, C8	0.2866	0.1478	1.1308
Nonanes Plus, C9+	0.0611	0.0346	0.2707
Water, H2O			
Hydrogen Sulfide, H2S			
Oxygen, O2			
Carbon Monoxide, CO			
Hydrogen, H2			
Helium, He			
Argon, Ar			

Property	Total Sample	C9 Plus Fraction
Pressure Base	14.730	
Temperature Base	60.00	
HCDP @ Sample Pressure	83.792	
Cricondentherm	184.169	
HV, Dry @ Base P, T	1596.58	
HV, Sat @ Base P, T	1568.80	
HV, Sat @ Sample P, T	1588.48	
Relative Density	1.0060	

Totals	100.0000	11.5040	100.0000
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Sample

Date: 03/20/2018 Pressure: 30.0
Type: Spot Temperature 55.0
Tech: A. YEAROUS H2O: 0.00 lbs/mm
H2S: 0 ppm

Remarks:

Analysis

Date: 04/04/2018 Instrument: 104
Cylinder:

Tech: B. GEHRMAN

Remarks: