

Gas Composition and Properties

Anadarko, Kerr McGee Gath, Western Gas
Partners

Effective March 12, 2018 00:00 - January 18, 2038 21:14

Source #: 100205008
Name: WHITEHEAD 4-13

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	3.1588		4.1223
Nitrogen, N2	1.6245		1.3494
Methane, C1	43.9470		20.9059
Ethane, C2	12.9166	3.4871	11.5169
Propane, C3	20.7159	5.7612	27.0874
iso-Butane, iC4	2.2526	0.7441	3.8823
n-Butane, nC4	8.6673	2.7583	14.9380
iso-Pentane, iC5	1.9762	0.7296	4.2279
n-Pentane, nC5	2.2044	0.8066	4.7161
Neo-Pentane, NeoC5			
Hexanes, C6	1.1792	0.4895	3.0133
Heptanes, C7	0.9734	0.4534	2.8922
Octanes, C8	0.2706	0.1399	0.9166
Nonanes Plus, C9+	0.1135	0.0645	0.4317
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	102.321	
Cricondentherm	215.599	
HV, Dry @ Base P, T	1873.93	
HV, Sat @ Base P, T	1841.32	
HV, Sat @ Sample P, T	1863.76	
Relative Density	1.1752	

Totals	100.0000	15.4340	100.0000
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Sample

Date: 03/12/2018 Pressure: 35.0
Type: Spot Temperature 60.0
Tech: A. YEAROUS H2O: 0.00 lbs/mm
 H2S: 0 ppm

Remarks:

Analysis

Date: 03/16/2018 Instrument: 104
 Cylinder:

Tech: B. GEHRMAN

Remarks: