

Gas Composition and Properties

Anadarko, Kerr McGee Gath, Western Gas
Partners

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

Source #: 100205009
Name: WHITEHEAD 4-11

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	4.4096		4.6699
Nitrogen, N2	1.1624		0.7836
Methane, C1	27.8199		10.7397
Ethane, C2	9.0757	2.4640	6.5669
Propane, C3	25.7160	7.1921	27.2874
iso-Butane, iC4	3.9843	1.3236	5.5726
n-Butane, nC4	16.7820	5.3709	23.4719
iso-Pentane, iC5	3.6778	1.3654	6.3853
n-Pentane, nC5	4.1209	1.5164	7.1546
Neo-Pentane, NeoC5			
Hexanes, C6	1.7481	0.7298	3.6250
Heptanes, C7	1.2150	0.5691	2.9296
Octanes, C8	0.2262	0.1176	0.6218
Nonanes Plus, C9+	0.0621	0.0355	0.1917
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	103.887	
Cricondentherm	251.092	
HV, Dry @ Base P, T	2286.39	
HV, Sat @ Base P, T	2246.60	
HV, Sat @ Sample P, T	2269.83	
Relative Density	1.4563	

Totals	100.0000	20.6840	100.0000
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Sample

Date: 03/12/2018	Pressure:	30.0
Type: Spot	Temperature	65.0
Tech: A. YEAROUS	H2O:	0.00 lbs/mm
	H2S:	0 ppm

Remarks:

Analysis

Date: 03/16/2018	Instrument: 103
	Cylinder:

Tech: B. GEHRMAN

Remarks: