

# Gas Composition and Properties

Anadarko, Kerr McGee Gath, Western Gas  
Partners

Effective August 7, 2017 10:24 - February 6, 2018 00:00

Source #: 100203329  
Name: EGAN STATE

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	2.3484		4.0618
Nitrogen, N2	1.8680		2.0566
Methane, C1	65.2710		41.1521
Ethane, C2	13.7730	3.7015	16.2759
Propane, C3	9.2863	2.5709	16.0930
iso-Butane, iC4	1.0876	0.3577	2.4843
n-Butane, nC4	3.1189	0.9881	7.1243
iso-Pentane, iC5	0.8212	0.3018	2.3285
n-Pentane, nC5	0.9098	0.3314	2.5797
Neo-Pentane, NeoC5			
Hexanes, C6	0.6523	0.2696	2.2092
Heptanes, C7	0.5064	0.2348	1.9942
Octanes, C8	0.2893	0.1489	1.2987
Nonanes Plus, C9+	0.0678	0.0383	0.3417
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	79.485	
Cricondenthem	169.090	
HV, Dry @ Base P, T	1435.45	
HV, Sat @ Base P, T	1410.47	
HV, Sat @ Sample P, T	1356.48	
Relative Density	0.8827	

C9+: 50 - 50

Totals	100.0000	8.9430	100.0000
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## Sample

Date: 08/07/2017      Pressure: 28.2  
Type: Spot      Temperature 130.0  
Tech: M. COTNER      H2O: lbs/mm  
                                 H2S: 2 ppm

Remarks:

## Analysis

Date: 08/31/2017      Instrument: 104  
                                 Cylinder:  
Tech: M. CLINE

Remarks: