



30-045-11739

Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
Last calibration date 7/10/2015 10:21:38 AM

Client:	BP	Project #:	03143-0880
Site Name:	GCU 240	Meter ID:	3004511739 (BHD)
Sampled by:	Daniel F.	Date Sampled:	08-20-15
Analyzed by:	Logan Richter	Date Received:	08-27-15
Sample Pressure:	55 psig	Date Analyzed:	09-01-15
Sample Temperature:	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.012	0.003	0.001
Oxygen	0.011	0.020	0.001
Nitrogen	0.894	1.426	0.098
Carbon Dioxide	0.000	0.000	0.000
Methane	93.484	85.398	15.845
Ethane	3.084	5.281	0.825
Propane	1.157	2.906	0.319
i-Butane	0.512	1.696	0.168
n-Butane	0.417	1.380	0.131
i-Pentane	0.188	0.774	0.069
n-Pentane	0.124	0.508	0.045
C6+	0.116	0.608	0.051
	100.000	100.000	17.553

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99762	C2+	1.607
Density (G) (Dry Gas)	0.60640	C3+	0.782
Component MW Total	17.56	C5+	0.164
Heating Value (Dry Ideal) Total BTU	1076.61	Heating Value (Sat Ideal) Total BTU	1057.82
Heating Value (Dry Real) Total BTU	1079.18	Heating Value (Sat Real) Total BTU	1060.26

RGR

9/10/2015