

API 30-040 11471
Casing



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 235	Meter ID:	3004511691 (CSG)
Sampled by:	Daniel F.	Date Sampled	08-20-15
Analyzed by:	Logan Richter	Date Received:	08-27-15
Sample Pressure:	54 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	0.050	0.008	0.005
Oxygen	0.007	0.009	0.001
Nitrogen	0.571	0.654	0.063
Carbon Dioxide	0.876	1.574	0.150
Methane	73.516	48.180	12.495
Ethane	9.399	11.546	2.520
Propane	6.367	11.470	1.759
i-Butane	1.255	2.981	0.412
n-Butane	2.918	6.930	0.922
i-Pentane	1.373	4.047	0.503
n-Pentane	1.442	4.251	0.524
C6+	2.224	8.351	0.973
	100.000	100.000	20.328

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99487	C2+	7.614
Density (G) (Dry Gas)	0.84617	C3+	5.094
Component MW Total	24.48	C5+	2.001
Heating Value (Dry Ideal) Total BTU	1431.93	Heating Value (Sat Ideal) Total BTU	1405.94
Heating Value (Dry Real) Total BTU	1439.31	Heating Value (Sat Real) Total BTU	1413.94