

API 30-045-11641
 Bradenhead
 Gas Analysis Certificate



OIL CONS. DIV DIST. 3 GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
 Last calibration date 9/28/2015 11:07:06 AM

DEC 18 2015

Client:	BP	Project #:	03143-0880
Site Name:	GCU 235	Meter ID:	3004511691 (BHD)
Sampled by:	Daniel F.	Date Sampled	10-16-15
Analyzed by:	Logan Richter	Date Received:	10-19-15
Sample Pressure:	25 psig	Date Analyzed:	10-26-15
Sample Temperature	NA	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.019	0.035	0.002
Nitrogen	1.328	2.141	0.146
Carbon Dioxide	0.000	0.000	0.000
Methane	93.900	86.733	15.915
Ethane	2.830	4.899	0.757
Propane	0.965	2.449	0.266
i-Butane	0.296	0.990	0.097
n-Butane	0.279	0.934	0.088
i-Pentane	0.113	0.468	0.041
n-Pentane	0.075	0.310	0.027
C6+	0.197	1.040	0.086
	100.000	100.000	17.423

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99770	C2+	1.361
Density (G) (Dry Gas)	0.59976	C3+	0.604
Component MW Total	17.37	C5+	0.154
Heating Value (Dry Ideal) Total BTU	1059.05	Heating Value (Sat Ideal) Total BTU	1040.57
Heating Value (Dry Real) Total BTU	1061.49	Heating Value (Sat Real) Total BTU	1042.88

RF

11/03/2015