

30-045-20327
Bradenhead



Gas Analysis Certificate

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

DEC 18 2015

Method Name C6+ Excel Recalc2
Last calibration date 6/19/2015 8:47:52 AM

Client:	BP	Project #:	03143-0880
Site Name:	Federal GC L 001	Meter ID:	3004520327 (BHD)
Sampled by:	Brandn K.	Date Sampled:	06-23-15
Analyzed by:	Logan Richter	Date Received:	06-23-15
Sample Pressure:	16 psig	Date Analyzed:	06-25-15
Sample Temperature:		Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.744	0.147	0.076
Oxygen	0.008	0.012	0.001
Nitrogen	0.662	0.913	0.073
Carbon Dioxide	0.000	0.000	0.000
Methane	81.549	64.435	13.836
Ethane	8.174	12.106	2.188
Propane	5.314	11.541	1.465
i-Butane	1.081	3.096	0.354
n-Butane	1.478	4.232	0.466
i-Pentane	0.551	1.957	0.202
n-Pentane	0.439	1.561	0.159
C6+	0.000	0.000	0.000
	100.000	100.000	18.819

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99668	C2+	4.834
Density (G) (Dry Gas)	0.70101	C3+	2.647
Component MW Total	20.30	C5+	0.361
Heating Value (Dry Ideal) Total BTU	1225.04	Heating Value (Sat Ideal) Total BTU	1203.66
Heating Value (Dry Real) Total BTU	1229.12	Heating Value (Sat Real) Total BTU	1207.54

Reviewed by

07/01/2015
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