



OIL CONS. DIV DIST. 3

DEC 18 2015

API 30-045-30683
Casing Sample
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 555	Meter ID:	3004530683 (CSG)
Sampled by:	Daniel F.	Date Sampled	06-24-15
Analyzed by:	Logan Richter	Date Received:	07-13-15
Sample Pressure:	107 psig	Date Analyzed:	07-15-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.035	0.006	0.004
Oxygen	0.006	0.008	0.001
Nitrogen	0.426	0.504	0.047
Carbon Dioxide	1.100	2.046	0.188
Methane	70.989	48.118	12.060
Ethane	13.169	16.731	3.529
Propane	7.844	14.615	2.166
i-Butane	1.216	2.985	0.399
n-Butane	2.683	6.589	0.848
i-Pentane	0.869	2.650	0.319
n-Pentane	0.849	2.587	0.308
C6+	0.814	3.160	0.356
	100.000	100.000	20.224

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99532	C2+	7.924
Density (G) (Dry Gas)	0.81754	C3+	4.395
Component MW Total	23.67	C5+	0.983
Heating Value (Dry Ideal) Total BTU	1385.02	Heating Value (Sat Ideal) Total BTU	1360.85
Heating Value (Dry Real) Total BTU	1391.53	Heating Value (Sat Real) Total BTU	1367.02

RGR

10/19/2015