



30-045-34986

Gas Analysis Certificate

GPA Standard 2261-13

Method Name C6+ Excel Recalc2
Last calibration date 6/10/2015 3:45:32 PM

Client:	Mc Elvain Energy	Project #:	NA
Site Name:	Ruby #2 BH	Meter ID:	Bradenhead Ruby #2
Sampled by:	Glenn H.	Date Sampled	052815
Analyzed by:	Logan Richter	Date Received:	052815
Sample Pressure:	50 psi	Date Analyzed:	060815
Sample Temperature	NA	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) (Mol %)	Wt Percent (%)	GPM
Helium	0.694	0.157	0.071
Oxygen	1.241	2.240	0.110
Nitrogen	7.151	11.298	0.786
Carbon Dioxide	0.114	0.283	0.019
Methane	87.441	79.115	14.815
Ethane	2.350	3.986	0.628
Propane	0.570	1.417	0.157
i-Butane	0.224	0.735	0.073
n-Butane	0.130	0.425	0.041
i-Pentane	0.085	0.344	0.031
n-Pentane	0.000	0.000	0.000
C6+	0.000	0.000	0.000
	100.000	100.000	16.731

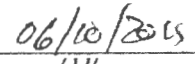
OIL CONS. DIV DIST. 3

JUN 11 2015

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99804	C2+	0.930
Density (G) (Dry Gas)	0.61219	C3+	0.302
Component MW Total	17.73	C5+	0.031
Heating Value (Dry Ideal) Total BTU	953.99	Heating Value (Sat Ideal) Total BTU	937.34
Heating Value (Dry Real) Total BTU	955.86	Heating Value (Sat Real) Total BTU	939.11


Reviewed by


mm/dd/yyyy