



PRIMARY DB KEY: **05-045-14659** NAME/DESCRIP : **110165709 EF 12C D31**
 LEASE #: **BRADEN HEAD**
 FIELD/AREA:

 PROJECT NO. : **202507063** ANALYSIS NO. : **01**
 COMPANY NAME : **QB ENERGY OPERATING, LLC** ANALYSIS DATE: **JULY 18, 2025 17:20**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **JUNE 25, 2025**
 CUSTOMER REF: TO:
 PRODUCER : **QB ENERGY OPERATING, LLC** EFFECTIVE DATE:

*****FIELD DATA*****

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : **156** psig PROBE : **NO PROBE**
 FLOW PRES. : psig CYLINDER NO. : **ECA-815**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : **78** °f SAMPLING COMPANY: **QB ENERGY OPERATING, LLC**
 AMBIENT TEMP.: °f H2S BY STAIN TUBE: **-** ppm mol
 H2O BY STAIN TUBE: **-** #/mmcf CO2 BY STAIN TUBE: **-** Mol %
 FIELD COMMENTS:
 LAB COMMENTS:

COMPONENTS	NORM. MOLE%	GPM @ 14.65	d13C ‰ VPDB	dD ‰ VSMOW
HELIUM	0.02	-	-	-
HYDROGEN	0.00	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.53	-	-	-
CO2	0.11	-	0.0	-
METHANE	96.14	-	-35.2	-173
ETHANE	2.15	0.5735	-28.0	-
PROPANE	0.54	0.1479	-27.3	-
ISOBUTANE	0.11	0.0360	-26.0	-
N-BUTANE	0.15	0.0470	-27.3	-
ISOPENTANE	0.06	0.0180	-25.2	-
N-PENTANE	0.04	0.0140	-25.5	-
HEXANES+	0.16	0.0949	-	-
TOTAL	100.00	0.9313		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = **1044.4** /scf
 GROSS SATURATED REAL = **1026.1** /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.584
 GRAVITY (LB/SCF) 0.04457
 COMPRESSIBILITY FACTOR : 0.99780

NOTE: REFERENCE GPA 2261(ASTM D1945 & ASME-PTC), 2145, & 2172 CURRENT PUBLICATIONS

Reference: Per GPA 2172-14 sec 9 **The C6+ is derived from the following ratios of C6, C7 & C8+ respectively: 60% 30% 10%**

The NG Composition File #: **202507063-01-A-484**
 The Isotopic Data File #: **DIG-040464**

Note: Stable isotope results based on multi-point laboratory calibration

Precision $\delta^{13}C < 0.5$ ‰ Precision $\delta D < 5.0$ ‰

Values in red represent low peak heights. Interpret with caution.

The data presented herein has been acquired by means of current analytical techniques and represents the judicious conclusion EMPACT Analytical Systems, Inc. Results of the analysis can be affected by the sampling conditions, therefore, are only warranted through proper lab protocol. EMPACT assumes no responsibility for interpretation or any consequences from application of the reported information and is the sole liability of the user. The reproduction in any media of this reported information may not be made, in portion or as a whole, without the written permission of EMPACT Analytical Systems, Inc.