



PRIMARY DB KEY: 05-103-11165 NAME/DESCRIP : PICEANCE CREEK UNIT 297-12A8
LEASE #: COC - 47666A, 125190177 PRODUCTION CASING
FIELD/AREA:

PROJECT NO. : 202409060 ANALYSIS NO. : 01
COMPANY NAME : QB ENERGY OPERATING, LLC ANALYSIS DATE: SEPTEMBER 26, 2024 00:00
OFFICE / BRANCH: PARACHUTE, CO SAMPLE DATE : SEPTEMBER 11, 2024 12:40
CUSTOMER REF: TO:
PRODUCER : QB ENERGY OPERATING, LLC EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE: SAMPLE TYPE: SPOT
SAMPLE PRES. : 201 psig PROBE :
FLOW PRES. : psig CYLINDER NO. : ECA-767
LAB PRES: psig SAMPLED BY : ANDREW T.
SAMPLE TEMP. : 70 °f SAMPLING COMPANY: QB ENERGY OPERATING
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	0.00	-	-	-
HYDROGEN	0.01	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.05	-	-	-
CO2	6.59	-	-3.9	-
METHANE	86.13	-	-36.7	-181
ETHANE	4.91	1.3092	-25.9	-
PROPANE	1.13	0.3108	-23.5	-
ISOBUTANE	0.29	0.0949	-24.0	-
N-BUTANE	0.22	0.0690	-23.4	-
ISOPENTANE	0.12	0.0400	-23.0	-
N-PENTANE	0.08	0.0290	0.0	-
HEXANES+	0.48	0.1949	-	-
TOTAL	100.00	2.0478		

BTU @ 60 DEG F

GROSS DRY REAL = 1032.0 /scf
GROSS SATURATED REAL = 1014.0 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.6756
GRAVITY (LB/SCF) 0.05156
COMPRESSIBILITY FACTOR : 0.99750

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 #: 202409060-01-A-247

The Isotopic Data File #: DIG-037088

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

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

Precision $\delta\text{D} < 5.0 \text{ ‰}$

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.