



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-103-10719** NAME/DESCRIP : **PCU T87X-3G5**
 LEASE #: **05-103-10719** **INTERMEDIATE CASING**
 FIELD/AREA: **PICEANCE CREEK**

PROJECT NO. : **202601077** ANALYSIS NO. : **02**
 COMPANY NAME : **QB ENERGY OPERATING, LLC** ANALYSIS DATE: **JANUARY 29, 2026 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **JANUARY 13, 2026**
 CUSTOMER REF: **TO:**
 PRODUCER : **QB ENERGY OPERATING, LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE:
 SAMPLE PRES. : 1353 psig PROBE :
 FLOW PRES. : psig CYLINDER NO. : TBI-744
 LAB PRES: psig SAMPLED BY : NICK CROY
 SAMPLE TEMP. : °f SAMPLING COMPANY: QB ENERGY
 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	0.01	-	-	-
HYDROGEN	0.00	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.08	-	-	-
CO2	3.40	-	-4.8	-
METHANE	87.03	-	-38.1	-182
ETHANE	5.98	1.5923	-27.6	-
PROPANE	1.89	0.5188	-25.2	-
ISOBUTANE	0.45	0.1469	-26.0	-
N-BUTANE	0.39	0.1229	-24.6	-
ISOPENTANE	0.20	0.0660	-25.0	-
N-PENTANE	0.13	0.0470	-24.3	-
HEXANES+	0.44	0.2379	-	-
TOTAL	100.00	2.7318		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1098.9 /scf
 GROSS SATURATED REAL = 1079.7 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.6671
 GRAVITY (LB/SCF) 0.05091
 COMPRESSIBILITY FACTOR : 0.99730

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 #: **202601077-02-A-621**
 The Isotopic Data File #: **DIG-042661**

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

Precision δ¹³C < 0.5 ‰ Precision δD < 5.0 ‰

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

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