



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-103-10729** NAME/DESCRIP : **PCU 297 10A5**
 LEASE #: **05-103-10729** **PRODUCTION CASING**
 FIELD/AREA: **PICEANCE CREEK**

PROJECT NO. : **202601076** ANALYSIS NO. : **01**
 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. : 812 psig PROBE :
 FLOW PRES. : psig CYLINDER NO. : TBI/CO-597
 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	0.00	-	-	-
HYDROGEN	0.04	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.07	-	-	-
CO2	4.23	-	-4.6	-
METHANE	88.37	-	-37.2	-174
ETHANE	5.14	1.3701	-27.7	-
PROPANE	1.29	0.3538	-24.8	-
ISOBUTANE	0.28	0.0909	-25.5	-
N-BUTANE	0.19	0.0600	-23.6	-
ISOPENTANE	0.08	0.0260	0.0	-
N-PENTANE	0.05	0.0180	0.0	-
HEXANES+	0.26	0.1259	-	-
TOTAL	100.00	2.0447		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1050.2 /scf
 GROSS SATURATED REAL = 1031.8 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.649
 GRAVITY (LB/SCF) 0.04954
 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 #: **202601076-01-A-621**
 The Isotopic Data File #: **DIG-042663**

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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