



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-103-11266** NAME/DESCRIP : **120196002 YCF XOM 2-42-1**
 LEASE #: **COC-68957A** CASING
 FIELD/AREA: **YELLOW CREEK**

PROJECT NO. : **202603075** ANALYSIS NO. : **02**
 COMPANY NAME : **QB ENERGY OPERATING, LLC** ANALYSIS DATE: **APRIL 07, 2026 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MARCH 4, 2026**
 CUSTOMER REF: TO:
 PRODUCER : **QB ENERGY OPERATING LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 2954 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **TBI/UT-042**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : 57 °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	0.00	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.02	-	-	-
CO2	4.20	-	-2.7	-
METHANE	35.18	-	-37.9	-174
ETHANE	9.11	2.2701	-26.0	-
PROPANE	12.25	3.1452	-22.8	-
ISOBUTANE	10.22	3.1170	-24.1	-
N-BUTANE	9.40	2.7617	-22.1	-
ISOPENTANE	7.93	2.5850	-23.4	-
N-PENTANE	4.48	1.5141	-22.6	-
HEXANES+	7.20	6.3087	-	-
TOTAL	100.00	21.7018		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 2566.7 /scf
 GROSS SATURATED REAL = 2521.8 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 1.6071
 GRAVITY (LB/SCF) 0.12265
 COMPRESSIBILITY FACTOR : 0.98760

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 #: **202603075-02-A-674**
 The Isotopic Data File #: **DIG-043347**

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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