



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-045-15200** NAME/DESCRIP : **110165618 NP N30 EF06C-31 595**
 LEASE #: **05-045-15200** **PRODUCTION CASING**
 FIELD/AREA: **GRAND VALLEY**

PROJECT NO. : **202601120** ANALYSIS NO. : **01**
 COMPANY NAME : **QB ENERGY OPERATING, LLC** ANALYSIS DATE: **FEBRUARY 06, 2026 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **JANUARY 20, 2026 7:30**
 CUSTOMER REF: **TO:**
 PRODUCER : **QB ENERGY OPERATING, LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 181 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-818**
 LAB PRES: psig SAMPLED BY : **ALEX GALLEGOS**
 SAMPLE TEMP. : 11 °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	0.40	-	-	-
OXYGEN/ARGON	0.02	-	-	-
NITROGEN	0.21	-	-	-
CO2	1.21	-	-6.6	-
METHANE	90.56	-	-38.3	-176
ETHANE	5.41	1.4419	-26.9	-
PROPANE	1.21	0.3318	-24.6	-
ISOBUTANE	0.34	0.1139	-25.3	-
N-BUTANE	0.23	0.0719	-24.1	-
ISOPENTANE	0.15	0.0510	-24.7	-
N-PENTANE	0.07	0.0250	-23.5	-
HEXANES+	0.20	0.0480	-	-
TOTAL	100.00	2.0835		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1075.0 /scf
 GROSS SATURATED REAL = 1056.2 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.6177
 GRAVITY (LB/SCF) 0.04715
 COMPRESSIBILITY FACTOR : 0.99760

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 #: **202601120-01-A-635**
 The Isotopic Data File #: **DIG-042726**

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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