



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-103-08676** NAME/DESCRIP : **CORRAL CREEK 4505**
 LEASE #: **SURFACE CASING**
 FIELD/AREA:

PROJECT NO. : **202508081** ANALYSIS NO. : **02**
 COMPANY NAME : **QB ENERGY OPERATING, LLC** ANALYSIS DATE: **SEPTEMBER 05, 2025 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **AUGUST 08, 2025 11:30**
 CUSTOMER REF: TO:
 PRODUCER : EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE:
 SAMPLE PRES. : psig PROBE :
 FLOW PRES. : psig CYLINDER NO. : **85**
 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	0.17	-	-	-
CO2	0.02	-	0.0	-
METHANE	98.24	-	-37.0	-179
ETHANE	0.73	0.1948	-29.5	-
PROPANE	0.05	0.0140	-27.1	-
ISOBUTANE	0.01	0.0030	0.0	-
N-BUTANE	0.14	0.0440	-26.4	-
ISOPENTANE	0.15	0.0549	-26.3	-
N-PENTANE	0.14	0.0509	-25.8	-
HEXANES+	0.32	0.1169	-	-
TOTAL	100.00	0.4785		

BTU @ 60 DEG F

14.65

GROSS DRY REAL = 1036.1 /scf
 GROSS SATURATED REAL = 1018.0 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.5736
 GRAVITY (LB/SCF) 0.04377
 COMPRESSIBILITY FACTOR : 0.99790

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 #: **202508081-02-A-501**
 The Isotopic Data File #: **DIG-041007**

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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