



PRIMARY DB KEY: NAME/DESCRIP : UNOCAL 5 LOCATON 335618 23A-4D
 LEASE #: 05-045-13234 WELLHEAD
 FIELD/AREA:
 PROJECT NO. : 202509064 ANALYSIS NO. : 01
 COMPANY NAME : QB ENERGY OPERATING, LLC ANALYSIS DATE: OCTOBER 09, 2025 00:00
 OFFICE / BRANCH: PARACHUTE, CO SAMPLE DATE : AUGUST 15, 2025
 CUSTOMER REF: TO:
 PRODUCER : EFFECTIVE DATE:
 FIELD DATA
 SAMPLE CYCLE: SAMPLE TYPE: SPOT
 SAMPLE PRES. : psig PROBE :
 FLOW PRES. : psig CYLINDER NO. : 1L TEDLAR
 LAB PRES: psig SAMPLED BY : DEREK HORN
 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	6.67	-	-	-
NITROGEN	22.33	-	-	-
CO2	0.05	-	0.0	-
METHANE	67.29	-	-35.3	-168
ETHANE	2.34	0.6230	-26.0	-
PROPANE	0.72	0.1947	-26.3	-
ISOBUTANE	0.16	0.0519	-26.0	-
N-BUTANE	0.19	0.0569	-26.4	-
ISOPENTANE	0.08	0.0260	0.0	-
N-PENTANE	0.06	0.0220	0.0	-
HEXANES+	0.12	0.0559	-	-
TOTAL	100.00	1.0304		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 760.8 /scf
 GROSS SATURATED REAL = 747.5 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.7125
 GRAVITY (LB/SCF) 0.05437
 COMPRESSIBILITY FACTOR : 0.99840

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 #: 202509064-01-A-522
 The Isotopic Data File #: DIG-041638

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

Precision $\delta^{13}C < 0.5 \%$ Precision $\delta D < 5.0 \%$

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

The data presented herein has been acquired by means of current analytical techniques and represents the judicious conclusion EMPACT Analytical Systems, Inc. Results of the analysis can be affected by the sampling conditions, therefore, are only warranted through proper lab protocol. EMPACT assumes no responsibility for interpretation or any consequences from application of the reported information and is the sole liability of the user. The reproduction in any media of this reported information may not be made, in portion or as a whole, without the written permission of EMPACT Analytical Systems, Inc.