EMPACT

ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY:	**05-103-10646**	NAME/DESCRIP :	**PICEANCE CREEK UNIT T35X-2G9**
LEASE #:			**INTERMEDIATE CASING**
FIELD/AREA:			

PROJECT NO. :	**202509096**	ANALYSIS NO. :	**02**
COMPANY NAME :	**QB ENERGY OPERATING, LLC**	ANALYSIS DATE:	OCTOBER 10, 2025 00:00
OFFICE / BRANCH:	PARACHUTE, CO	SAMPLE DATE :	SEPTEMBER 05, 2025
CUSTOMER REF:		TO:	
PRODUCER :		EFFECTIVE DATE:	

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

SAMPLE CYCLE:			SAMPLE TYPE:		
SAMPLE PRES. :	995	psig	PROBE :		
FLOW PRES. :		psig	CYLINDER NO. :	ECA-740	
LAB PRES:		psig	SAMPLED BY :	NICK CROY	
SAMPLE TEMP. :		ºf	SAMPLING COMPANY:	QB ENERGY	
AMBIENT TEMP.:		ºf	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	0.02	-	-	-
OXYGEN/ARGON	0.07	-	-	-
NITROGEN	0.31	-	-	-
CO2	5.98	-	-3.0	-
METHANE	91.05	-	-34.0	-176
ETHANE	2.01	0.5355	-21.4	-
PROPANE	0.13	0.0360	-26.3	-
ISOBUTANE	0.04	0.0130	0.0	-
N-BUTANE	0.02	0.0060	0.0	-
ISOPENTANE	0.01	0.0040	0.0	-
N-PENTANE	0.00	0.0000	0.0	-
HEXANES+	0.35	0.0520	-	-
TOTAL	100.00	0.6465		

BTU @ 60 DEG F		**14.65**	
	GROSS DRY REAL =	968.5	**/scf**
	GROSS SATURATED REAL =	951.6	**/scf**

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F)	0.6285
GRAVITY (LB/SCF)	0.04797
COMPRESSIBILITY FACTOR :	0.99780

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 #: **202509096-02-A-534**
The Isotopic Data File #: **DIG-041595**

Note:Stable isotope results based on multi-point laboratory calibration
Presicion $\delta^{13}C$ < 0.5 ‰ **Precision δD < 5.0 ‰**
Values in red represent low peak heights. Interpret with caution.

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