



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-103-10589** NAME/DESCRIP : **PICEANCE CREEK UNIT T62X-11G2**
 LEASE #: **05-103-10589** **INTERMEDIATE CASING**
 FIELD/AREA: **PICEANCE CREEK - #68800**

PROJECT NO. : **202407081** ANALYSIS NO. : **02**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **JULY 31, 2024 00:00**
 OFFICE / BRANCH: **PARACHUTE** SAMPLE DATE : **JULY 11, 2024 11:05**
 CUSTOMER REF: TO:
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : **810** psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **TBI-596**
 LAB PRES: psig SAMPLED BY : **RYAN POZARSKI**
 SAMPLE TEMP. : **82** °f SAMPLING COMPANY: **CAERUS OIL & GAS LLC**
 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	0.01	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.57	-	-	-
CO2	0.46	-	-10.0	-
METHANE	95.38	-	-36.2	-162
ETHANE	2.43	0.6474	-25.9	-
PROPANE	0.50	0.1369	-23.5	-
ISOBUTANE	0.08	0.0260	-22.8	-
N-BUTANE	0.14	0.0440	-24.3	-
ISOPENTANE	0.06	0.0220	-22.7	-
N-PENTANE	0.06	0.0220	-24.4	-
HEXANES+	0.30	0.1339	-	-
TOTAL	100.00	1.0322		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = **1045.7** /scf
 GROSS SATURATED REAL = **1027.4** /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) **0.591**
 GRAVITY (LB/SCF) **0.04510**
 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 #: **202407081-02-A-190**
 The Isotopic Data File #: **DIG-036320**

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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