



PRIMARY DB KEY: **05-103-10976** NAME/DESCRIP: **FEDERAL #2S-95-15-42BP**
 LEASE #: **05-103-10976** **RIO BLANCO COUNTY #103**
 FIELD/AREA: **PICEANCE CREEK - #68800** **CASING**

 PROJECT NO. : **202306008** ANALYSIS NO. : **01**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **JUNE 16, 2023 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 10, 2023 14:30**
 CUSTOMER REF: TO:
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 2000 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-805**
 LAB PRES: psig SAMPLED BY : **NICK CROY**
 SAMPLE TEMP. : 64 °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	0.00	-	-	-
HYDROGEN	0.00	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.09	-	-	-
CO2	4.13	-	-2.6	-
METHANE	70.48	-	-39.6	-180
ETHANE	9.61	2.4253	-27.4	-
PROPANE	4.34	1.1286	-24.4	-
ISOBUTANE	1.67	0.5127	-25.2	-
N-BUTANE	1.67	0.4977	-23.3	-
ISOPENTANE	1.52	0.4927	-24.1	-
N-PENTANE	1.03	0.3545	0.0	-
HEXANES+	5.47	4.6634	-	-
TOTAL	100.00	10.0749		

BTU @ 60 DEG F

GROSS DRY REAL = 14.65 /scf
 GROSS SATURATED REAL = 1686.6 /scf
 1657.1 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 1.0532
 GRAVITY (LB/SCF) 0.08037
 COMPRESSIBILITY FACTOR : 0.99550

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 #: **202306008-01-A-800**

The Isotopic Data File #: **DIG-032162**

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

Precision $\delta^{13}\text{C} < 0.5 \text{ ‰}$

Precision $\delta\text{D} < 5.0 \text{ ‰}$

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.
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