



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** **BRAIDEN HEAD**  
  
 PROJECT NO. : **202306008** ANALYSIS NO. : **02**  
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **JUNE 19, 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. : **20** psig PROBE : **NO**  
 FLOW PRES. : psig CYLINDER NO. : **ECA-763**  
 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	5.29	-	-	-
CO2	0.01	-	0.0	-
METHANE	62.25	-	-39.1	-177
ETHANE	11.81	3.1553	-27.1	-
PROPANE	13.15	3.6221	-24.8	-
ISOBUTANE	4.03	1.3172	-25.1	-
N-BUTANE	1.99	0.6271	-24.1	-
ISOPENTANE	0.41	0.1282	-25.6	-
N-PENTANE	0.28	0.1012	0.0	-
HEXANES+	0.79	0.3556	-	-
TOTAL	100.00	9.3067		

BTU @ 60 DEG F

GROSS DRY REAL = **14.65** /scf  
 GROSS SATURATED REAL = **1409.4** /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) **0.8822**  
 GRAVITY (LB/SCF) **0.06732**  
 COMPRESSIBILITY FACTOR : **0.99520**

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 #: **202306008-02-A-800**

The Isotopic Data File #: **DIG-032163**

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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