



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-103-08907** NAME/DESCRIP : **CORRAL CREEK #4508**
 LEASE #: **BRAIDEN HEAD**
 FIELD/AREA: **CORRAL CREEK - #12000**

PROJECT NO. : **202405083** ANALYSIS NO. : **07**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **MAY 28, 2024 17:15**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 8, 2024**
 CUSTOMER REF: **TO:**
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 200 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-818**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : 43 °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	0.14	-	-	-
CO2	17.80	-	-5.5	-
METHANE	55.13	-	-43.7	-177
ETHANE	11.22	2.9950	-31.2	-
PROPANE	9.62	2.6484	-28.8	-
ISOBUTANE	2.85	0.9316	-29.5	-
N-BUTANE	2.01	0.6331	-28.5	-
ISOPENTANE	0.75	0.2664	-27.8	-
N-PENTANE	0.41	0.1523	-28.1	-
HEXANES+	0.05	0.0260	-	-
TOTAL	100.00	7.6528		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1206.7 /scf
 GROSS SATURATED REAL = 1185.6 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.9683
 GRAVITY (LB/SCF) 0.07389
 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 #: **202405083-07-A-146**
 The Isotopic Data File #: **DIG-035589**

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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