



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-045-20651** NAME/DESCRIP : **SGU #8506B-22 N22496**
 LEASE #: **COC-64814** **BRADENHEAD**
 FIELD/AREA: **METER #110140212**

PROJECT NO. : **202206040** ANALYSIS NO. : **02**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **JUNE 17, 2022 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 26, 2022**
 CUSTOMER REF: TO:
 PRODUCER : EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : **440** psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-717**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : **68** °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	0.01	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.09	-	-	-
CO2	3.97	-	-4.6	-
METHANE	89.51	-	-35.6	-164
ETHANE	4.36	1.1651	-25.3	-
PROPANE	0.91	0.2498	-23.2	-
ISOBUTANE	0.25	0.0819	-22.9	-
N-BUTANE	0.17	0.0530	-23.8	-
ISOPENTANE	0.10	0.0360	-22.6	-
N-PENTANE	0.05	0.0180	-24.6	-
HEXANES+	0.59	0.1209	-	-
TOTAL	100.00	1.7247		

BTU @ 60 DEG F **14.65**
 GROSS DRY REAL = 1040.3 /scf
 GROSS SATURATED REAL = 1022.1 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.6391
 GRAVITY (LB/SCF) 0.04877
 COMPRESSIBILITY FACTOR : 0.99760

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 #: **202206040-02-H-309**
 The Isotopic Data File #: **DIG-028186**
 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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