



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-045-11737** NAME/DESCRIP : **CHEVRON #8C-5D**
 LEASE #: **05-045-11737** **GARFIELD COUNTY #045**
 FIELD/AREA: **GRAND VALLEY - #31290** **BRAIDEN HEAD**

PROJECT NO. : **202306012** ANALYSIS NO. : **01**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **JUNE 16, 2023 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 31, 2023 14:40**
 CUSTOMER REF: TO:
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 255 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-784**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : 69 °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	0.10	-	-	-
CO2	2.04	-	-3.5	-
METHANE	88.83	-	-37.6	-176
ETHANE	6.13	1.6371	-26.4	-
PROPANE	1.56	0.4288	-23.6	-
ISOBUTANE	0.38	0.1239	-23.8	-
N-BUTANE	0.31	0.0969	-22.5	-
ISOPENTANE	0.16	0.0550	0.0	-
N-PENTANE	0.09	0.0360	0.0	-
HEXANES+	0.39	0.1559	-	-
TOTAL	100.00	2.5336		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1095.9 /scf
 GROSS SATURATED REAL = 1076.7 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.6433
 GRAVITY (LB/SCF) 0.04909
 COMPRESSIBILITY FACTOR : 0.99740

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 #: **202306012-01-A-801**
 The Isotopic Data File #: **DIG-032170**

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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