



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-045-13410** NAME/DESCRIP : **N.PARACHUTE H15 WF11D-14 596**
 LEASE #: **110167193** **BRAIDEN HEAD**
 FIELD/AREA: **WILDCAT - #99999**

PROJECT NO. : **202405044** ANALYSIS NO. : **04**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **MAY 22, 2024 00:00**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 2, 2024 15:00**
 CUSTOMER REF: **TO:**
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : **75** psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-765**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : **61** °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: **Trace Olefins present. Low sample volume.**

COMPONENTS	NORM. MOLE%	GPM @ 14.65	d13C % VPDB	dD % VSMOW
HELIUM	0.10	-	-	-
HYDROGEN	0.00	-	-	-
OXYGEN/ARGON	20.05	-	-	-
NITROGEN	75.99	-	-	-
CO2	0.29	-	0.0	-
METHANE	0.09	-	-35.0	-166
ETHANE	0.01	0.0000	-25.1	-
PROPANE	0.01	0.0000	-23.4	-
ISOBUTANE	0.00	0.0000	-23.4	-
N-BUTANE	0.01	0.0000	-22.9	-
ISOPENTANE	0.01	0.0000	0.0	-
N-PENTANE	0.01	0.0000	0.0	-
HEXANES+	3.43	0.9286	-	-
TOTAL	100.00	0.9286		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 111.2 /scf
 GROSS SATURATED REAL = 109.3 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 1.0442
 GRAVITY (LB/SCF) 0.07969
 COMPRESSIBILITY FACTOR : 0.99950

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 #: **202405044-04-A-139**
 The Isotopic Data File #: **DIG-035445**

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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