



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-045-19130** NAME/DESCRIP : **SGV FEDERAL #7-41B (8D)**
 LEASE #: **300115254, COC-23443** **BRAIDEN HEAD**
 FIELD/AREA: **PARACHUTE - #67350**

PROJECT NO. : **202405083** ANALYSIS NO. : **04**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **MAY 29, 2024 09:59**
 OFFICE / BRANCH: **PARACHUTE, CO** SAMPLE DATE : **MAY 9, 2024 9:00**
 CUSTOMER REF: TO:
 PRODUCER : **CAERUS PICEANCE LLC** EFFECTIVE DATE:

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

SAMPLE CYCLE: SAMPLE TYPE: **SPOT**
 SAMPLE PRES. : 71 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-809**
 LAB PRES: psig SAMPLED BY : **MIKE KELLEY**
 SAMPLE TEMP. : 44 °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	0.00	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.11	-	-	-
CO2	0.03	-	0.0	-
METHANE	94.01	-	-36.7	-172
ETHANE	3.92	1.0451	-26.8	-
PROPANE	1.01	0.2798	-25.0	-
ISOBUTANE	0.21	0.0689	-24.8	-
N-BUTANE	0.21	0.0659	-24.4	-
ISOPENTANE	0.10	0.0330	-24.9	-
N-PENTANE	0.06	0.0220	-23.6	-
HEXANES+	0.33	0.1169	-	-
TOTAL	100.00	1.6316		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1077.8 /scf
 GROSS SATURATED REAL = 1059.0 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.5997
 GRAVITY (LB/SCF) 0.04576
 COMPRESSIBILITY FACTOR : 0.99770

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 #: **202405083-04-A-146**
 The Isotopic Data File #: **DIG-035586**

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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