



ISOTOPIC NATURAL GAS ANALYSIS

PRIMARY DB KEY: **05-045-19135** NAME/DESCRIP : **SGV FEDERAL #8-12A (8D)**
 LEASE #: **300115266, COC-58670** CASING
 FIELD/AREA: **PARACHUTE - #67350**

PROJECT NO. : **202405084** ANALYSIS NO. : **01**
 COMPANY NAME : **CAERUS OIL & GAS LLC** ANALYSIS DATE: **MAY 28, 2024 15:59**
 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. : 290 psig PROBE : **NO**
 FLOW PRES. : psig CYLINDER NO. : **ECA-807**
 LAB PRES: psig SAMPLED BY : **ALEX GALLEGOS**
 SAMPLE TEMP. : 50 °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	0.25	-	-	-
OXYGEN/ARGON	0.00	-	-	-
NITROGEN	0.07	-	-	-
CO2	1.73	-	-8.3	-
METHANE	88.68	-	-39.0	-189
ETHANE	5.91	1.5732	-27.9	-
PROPANE	1.92	0.5277	-25.5	-
ISOBUTANE	0.36	0.1179	-26.2	-
N-BUTANE	0.43	0.1349	-25.3	-
ISOPENTANE	0.17	0.0580	-26.0	-
N-PENTANE	0.13	0.0470	-25.2	-
HEXANES+	0.35	0.1469	-	-
TOTAL	100.00	2.6056		

BTU @ 60 DEG F

14.65
 GROSS DRY REAL = 1103.5 /scf
 GROSS SATURATED REAL = 1084.2 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.6429
 GRAVITY (LB/SCF) 0.04907
 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 #: **202405084-01-A-146**
 The Isotopic Data File #: **DIG-035590**

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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