



PRIMARY DB KEY: NAME/DESCRIP: STATE - KOENIG 1
LEASE #: FIELD/ AREA:

PROJECT NO.: 201908133 ANALYSIS NO.: 04
COMPANY NAME: RENEGADE OIL & GAS COMPANY ANALYSIS DATE: AUGUST 28, 2019 07:27
OFFICE / BRANCH: AURORA, CO SAMPLE DATE: AUGUST 20, 2019
CUSTOMER REF: TO:
PRODUCER: EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE: SAMPLE TYPE:
SAMPLE PRES.: 15 psig PROBE: NO
FLOW PRES.: psig CYLINDER NO.: 1010
LAB PRES.: psig SAMPLED BY: CODY BAYLIS
SAMPLE TEMP.: 75 °F SAMPLING COMPANY: RENEGADE
AMBIENT TEMP.: °F H2S BY STAIN TUBE: 2 ppm
H2O BY STAIN TUBE: #/mmcf CO2 BY STAIN TUBE: Mol %
FIELD COMMENTS:
LAB COMMENTS:

COMPONENTS	NORM. MOLE%	GPM @ 14.65	GPM @ 14.73
HELIUM	0.02	-	-
HYDROGEN	0.00	-	-
OXYGEN/ARGON	0.01	-	-
NITROGEN	2.38	-	-
CO2	2.15	-	-
METHANE	51.91	-	-
ETHANE	9.63	2.5802	2.5943
PROPANE	16.66	4.5980	4.6231
ISOBUTANE	2.07	0.6789	0.6827
N-BUTANE	8.27	2.6123	2.6266
ISOPENTANE	1.82	0.6669	0.6705
N-PENTANE	2.17	0.7884	0.7927
HEXANES+	2.91	1.2655	1.2724
TOTAL	100.00	13.1902	13.2623

BTU @ 60 DEG F

	14.65	14.73
GROSS DRY REAL =	1767.8 /scf	1777.4 /scf
GROSS SATURATED REAL =	1736.9 /scf	1746.5 /scf
RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F)		1.0974
GRAVITY (LB/SCF)		0.08376
COMPRESSIBILITY FACTOR :		0.99254

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%

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