



NATURAL GAS ANALYSIS

PRIMARY DB KEY: NAME/DESCRIP: **HOSMER 4-6**
 LEASE #:
 FIELD/ AREA:

PROJECT NO.: **201908133** ANALYSIS NO.: **01**
 COMPANY NAME: **RENEGADE OIL & GAS COMPANY** ANALYSIS DATE: **AUGUST 27, 2019 14:36**
 OFFICE / BRANCH: **AURORA, CO** SAMPLE DATE: **AUGUST 26, 2019**
 CUSTOMER REF: TO:
 PRODUCER: EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE: SAMPLE TYPE:
 SAMPLE PRES.: 17 psig PROBE: NO
 FLOW PRES.: psig CYLINDER NO.: 1044
 LAB PRES: psig SAMPLED BY: CODY BAYLIS
 SAMPLE TEMP.: 67 °f SAMPLING COMPANY: RENEGADE
 AMBIENT TEMP.: °f H2S BY STAIN TUBE: **1** 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	0.01	-	-
HYDROGEN	0.00	-	-
OXYGEN/ARGON	0.01	-	-
NITROGEN	1.08	-	-
CO2	2.50	-	-
METHANE	65.27	-	-
ETHANE	15.80	4.2213	4.2444
PROPANE	8.81	2.4246	2.4379
ISOBUTANE	1.06	0.3465	0.3484
N-BUTANE	2.61	0.8222	0.8267
ISOPENTANE	0.71	0.2594	0.2608
N-PENTANE	0.70	0.2534	0.2548
HEXANES+	1.44	0.6239	0.6273
TOTAL	100.00	8.9513	9.0003

BTU @ 60 DEG F

	14.65	14.73
GROSS DRY REAL =	1412.5 /scf	1420.2 /scf
GROSS SATURATED REAL =	1387.8 /scf	1395.5 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 0.8632
 GRAVITY (LB/SCF) 0.06589
 COMPRESSIBILITY FACTOR : 0.99538

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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