



PRIMARY DB KEY: NAME/DESCRIP : MILLER 6-7, 6-11, 6-13, 6-15
 LEASE #:
 FIELD/ AREA:
 PROJECT NO. : 201908133 ANALYSIS NO. : 10
 COMPANY NAME : RENEGADE OIL & GAS COMPANY ANALYSIS DATE: AUGUST 28, 2019 07:51
 OFFICE / BRANCH: AURORA, CO SAMPLE DATE : AUGUST 21, 2019
 CUSTOMER REF: TO:
 PRODUCER : EFFECTIVE DATE:

*****FIELD DATA*****
 SAMPLE CYCLE: SAMPLE TYPE:
 SAMPLE PRES. : 14 psig PROBE : NO
 FLOW PRES. : psig CYLINDER NO. : 0686
 LAB PRES: psig SAMPLED BY : CODY BAYLIS
 SAMPLE TEMP. : 60 °f SAMPLING COMPANY: RENEGADE
 AMBIENT TEMP.: °f H2S BY STAIN TUBE: .5 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	0.02	-	-
OXYGEN/ARGON	0.01	-	-
NITROGEN	1.06	-	-
CO2	3.48	-	-
METHANE	36.25	-	-
ETHANE	13.86	3.7233	3.7436
PROPANE	23.07	6.3841	6.4189
ISOBUTANE	2.61	0.8581	0.8627
N-BUTANE	10.44	3.3063	3.3244
ISOPENTANE	2.38	0.8742	0.8789
N-PENTANE	2.75	1.0011	1.0065
HEXANES+	4.05	1.7655	1.7751
TOTAL	100.00	17.9126	18.0101

BTU @ 60 DEG F **14.65** **14.73**
 GROSS DRY REAL = 2045.1 /scf 2056.3 /scf
 GROSS SATURATED REAL = 2009.3 /scf 2020.5 /scf
 RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 1.2792
 GRAVITY (LB/SCF) 0.09763
 COMPRESSIBILITY FACTOR : 0.98983

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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