



PRIMARY DB KEY: NAME/DESCRIP: PAR STATE TANK BATTERY
 LEASE #: 05-005-0643
 FIELD/ AREA:
 PROJECT NO.: 201907047 ANALYSIS NO.: 08
 COMPANY NAME: RENEGADE OIL & GAS COMPANY ANALYSIS DATE: JULY 16, 2019 08:46
 OFFICE / BRANCH: AURORA, CO SAMPLE DATE: JULY 9, 2019
 CUSTOMER REF: TO:
 PRODUCER: EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE: SAMPLE TYPE:
 SAMPLE PRES.: 43 psig PROBE:
 FLOW PRES.: psig CYLINDER NO.: 1124
 LAB PRES.: psig SAMPLED BY: CODY BAYLIS
 SAMPLE TEMP.: 68 °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	1.36	-	-
CO2	3.15	-	-
METHANE	66.00	-	-
ETHANE	14.02	3.7455	3.7659
PROPANE	9.00	2.4766	2.4902
ISOBUTANE	0.97	0.3175	0.3192
N-BUTANE	3.15	0.9925	0.9979
ISOPENTANE	0.69	0.2524	0.2537
N-PENTANE	0.74	0.2684	0.2699
HEXANES+	0.90	0.3906	0.3927
TOTAL	100.00	8.4435	8.4895

BTU @ 60 DEG F

	<u>14.65</u>	<u>14.73</u>
GROSS DRY REAL =	1380.9 /scf	1388.5 /scf
GROSS SATURATED REAL =	1356.8 /scf	1364.4 /scf
RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F)	0.8567	
GRAVITY (LB/SCF)	0.06537	
COMPRESSIBILITY FACTOR :	0.99541	

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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