



PRIMARY DB KEY:  
LEASE #:  
FIELD/ AREA:

NAME/DESCRIP :

STATE OF COLORADO C #5

PROJECT NO. : 202008044  
COMPANY NAME : RENEGADE OIL & GAS COMPANY  
OFFICE / BRANCH: AURORA, CO  
CUSTOMER REF:  
PRODUCER :

ANALYSIS NO. : 01  
ANALYSIS DATE: AUGUST 12, 2020 07:18  
SAMPLE DATE : AUGUST 6, 2020  
TO:  
EFFECTIVE DATE:

\*\*\*FIELD DATA\*\*\*

SAMPLE CYCLE:  
SAMPLE PRES. : 20 psig  
FLOW PRES. : psig  
LAB PRES: psig  
SAMPLE TEMP. : 82 °f  
AMBIENT TEMP.: °f  
H2O BY STAIN TUBE: #/mmcf  
FIELD COMMENTS:  
LAB COMMENTS:

SAMPLE TYPE:  
PROBE :  
CYLINDER NO. : 0060  
SAMPLED BY : MATTHEW INGVE  
SAMPLING COMPANY: RENEGADE OIL & GAS  
H2S BY STAIN TUBE: **BDL** ppm  
CO2 BY STAIN TUBE: Mol %

COMPONENTS	NORM. MOLE%	GPM @ 14.65	GPM @ 14.73
HELIUM	0.00	-	-
HYDROGEN	0.02	-	-
OXYGEN/ARGON	0.03	-	-
NITROGEN	0.50	-	-
CO2	3.04	-	-
METHANE	34.35	-	-
ETHANE	17.92	4.8146	4.8409
PROPANE	24.01	6.6458	6.6821
ISOBUTANE	2.66	0.8743	0.8791
N-BUTANE	10.06	3.1859	3.2033
ISOPENTANE	2.09	0.7675	0.7717
N-PENTANE	2.51	0.9146	0.9196
HEXANES+	2.81	1.2248	1.2315
TOTAL	100.00	18.4275	18.5282

BTU @ 60 DEG F

GROSS DRY REAL =	2025.9 /scf	2036.9 /scf
GROSS SATURATED REAL =	1990.5 /scf	2001.5 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F)	1.2535
DENSITY (lbm/scf)	0.09567
COMPRESSIBILITY FACTOR :	0.9897

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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