



PRIMARY DB KEY:
LEASE #:

NAME/DESCRIP :

TAOS 1-10
GAS AT SEPARATOR

PROJECT NO. : 201712120
COMPANY NAME : NIGHTHAWK PRODUCTION COMPANY
OFFICE / BRANCH: HIGHLANDS RANCH, CO
CUSTOMER REF:
PRODUCER :

ANALYSIS NO. : 07
ANALYSIS DATE: DECEMBER 27, 2017 09:30
SAMPLE DATE : DECEMBER 20, 2017 10:05
TO:
EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE:
SAMPLE PRES. : 25 psig
FLOW PRES. : psig
LAB PRES: psig
SAMPLE TEMP. : 95.1 °f
AMBIENT TEMP.: °f
H2O BY STAIN TUBE #/mmcf

SAMPLE TYPE: SPOT
PROBE : NO
CYLINDER NO. : 0426
SAMPLED BY : JOHN MOSER
SAMPLING COMPANY: EMPACT
H2S BY STAIN TUBE: 22.0 ppm
CO2 BY STAIN TUBE: Mol %

FIELD COMMENTS:
LAB COMMENTS:

COMPONENTS	NORM. MOLE%	GPM @ 14.73	GPM @ 14.65
HELIUM	0.61	-	-
HYDROGEN	0.01	-	-
OXYGEN/ARGON	0.39	-	-
NITROGEN	50.37	-	-
CO2	2.83	-	-
METHANE	26.24	-	-
ETHANE	3.33	0.8924	0.8876
PROPANE	5.77	1.5939	1.5852
ISOBUTANE	1.42	0.4653	0.4628
N-BUTANE	4.49	1.4190	1.4113
ISOPENTANE	1.11	0.4070	0.4048
N-PENTANE	1.53	0.5558	0.5527
HEXANES+	1.90	0.8261	0.8216
TOTAL	100.00	6.1595	6.1260

BTU @ 60 DEG F

14.73 **14.65**
GROSS DRY REAL = 869.2 /scf 864.5 /scf
GROSS SATURATED REAL = 854.1 /scf 849.4 /scf

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) 1.0485
GRAVITY (LB/SCF) 0.08003
COMPRESSIBILITY FACTOR : 0.99735

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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