



PRIMARY DB KEY:  
LEASE #:

NAME/DESCRIP :

STEAMBOAT HANSEN 8-10  
GAS AT SEPARATOR

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

ANALYSIS NO. : 05  
ANALYSIS DATE: DECEMBER 27, 2017 08:41  
SAMPLE DATE : DECEMBER 20, 2017 10:35  
TO:  
EFFECTIVE DATE:

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

SAMPLE CYCLE:  
SAMPLE PRES. : 25 psig  
FLOW PRES. : psig  
LAB PRES: psig  
SAMPLE TEMP. : 86.3 °f  
AMBIENT TEMP.: °f  
H2O BY STAIN TUBE #/mncf  
FIELD COMMENTS:  
LAB COMMENTS:

SAMPLE TYPE: SPOT  
PROBE : NO  
CYLINDER NO. : 1462  
SAMPLED BY : JOHN MOSER  
SAMPLING COMPANY: EMPACT  
H2S BY STAIN TUBE: 4.8 ppm  
CO2 BY STAIN TUBE: Mol %

COMPONENTS	NORM. MOLE%	GPM @ 14.73	GPM @ 14.65
HELIUM	0.58	-	-
HYDROGEN	0.01	-	-
OXYGEN/ARGON	0.39	-	-
NITROGEN	50.65	-	-
CO2	2.64	-	-
METHANE	26.13	-	-
ETHANE	3.23	0.8663	0.8616
PROPANE	5.67	1.5658	1.5573
ISOBUTANE	1.43	0.4693	0.4668
N-BUTANE	4.52	1.4281	1.4203
ISOPENTANE	1.14	0.4181	0.4158
N-PENTANE	1.56	0.5668	0.5637
HEXANES+	2.05	0.8914	0.8866
<b>TOTAL</b>	<b>100.00</b>	<b>6.2058</b>	<b>6.1721</b>

BTU @ 60 DEG F

	<b>14.73</b>	<b>14.65</b>
GROSS DRY REAL =	875.3 /scf	870.6 /scf
GROSS SATURATED REAL =	860.1 /scf	855.4 /scf
RELATIVE DENSITY (AIR=1 @ 14.696 PSIA 60F)	1.0523	
GRAVITY (LB/SCF)	0.08032	
COMPRESSIBILITY FACTOR :	0.99734	

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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