



303-637-0150

**EXTENDED NATURAL GAS ANALYSIS (\*DHA)**

**MAIN PAGE**

PROJECT NO. :	201412099	ANALYSIS NO. :	05
COMPANY NAME :	NIGHTHAWK PRODUCTION	ANALYSIS DATE:	DECEMBER 16, 2014
ACCOUNT NO. :		SAMPLE DATE :	DECEMBER 11, 2014
PRODUCER :		CYLINDER NO. :	0135
LEASE NO. :		SAMPLED BY :	GALE MCENDREE - EMPACT
NAME/DESCRIP :	SALE GAS 11:00 SNOWBIRD 16-15		
***FIELD DATA***		SAMPLE TEMP. :	100
SAMPLE PRES. :	23	AMBIENT TEMP.:	
VAPOR PRES. :		GRAVITY :	
COMMENTS :	SPOT; NO PROBE; LENGTH OF H2S STAIN @ 1 PPM (1-7PPM) 11:05 POSSIBLE MOISTURE IN SAMPLE - EMPACT		

<u>COMPONENT</u>	<u>MOLE %</u>	<u>MASS %</u>	<u>GPM @ 14.650</u>	<u>GPM @ 14.730</u>
HELIUM	0.67	0.09	---	---
HYDROGEN	0.00	0.00	---	---
OXYGEN/ARGON	0.10	0.11	---	---
NITROGEN	23.55	22.69	---	---
CARBON DIOXIDE	1.04	1.57	---	---
METHANE	40.89120	22.55980	---	---
ETHANE	11.4879	11.8808	3.0682	3.0850
PROPANE	12.2573	18.5898	3.3727	3.3911
I-BUTANE	2.7562	5.5098	0.9012	0.9062
N-BUTANE	4.0837	8.1636	1.2858	1.2928
I-PENTANE	1.0406	2.5775	0.3755	0.3775
N-PENTANE	0.8413	2.0877	0.3044	0.3061
HEXANES PLUS	1.2818	4.1710	0.5295	0.5318
<u>TOTALS</u>	<u>100.00000</u>	<u>100.00000</u>	<u>9.8373</u>	<u>9.8905</u>

<u>BTEX COMPONENTS</u>	<u>MOLE%</u>	<u>WT%</u>	<u>BTU @</u>	<u>14.650</u>	<u>14.730</u>
BENZENE	0.0130	0.0349	<b>LOW NET DRY REAL :</b>	1177.7 /scf	1184.2 /scf
TOLUENE	0.0086	0.0272	NET WET REAL :	1157.1 /scf	1163.6 /scf
ETHYLBENZENE	0.0022	0.0081	<b>HIGH GROSS DRY REAL :</b>	1288.5 /scf	1295.5 /scf
XYLENES	0.0029	0.0105	GROSS WET REAL :	1266.0 /scf	1273.0 /scf
<u>TOTAL BTEX</u>	<u>0.0267</u>	<u>0.0807</u>	NET DRY REAL :	15417.1 /lb	15501.3 /lb
			GROSS DRY REAL :	16864.9 /lb	16957.0 /lb

RELATIVE DENSITY (AIR=1): 1.0026  
 COMPRESSIBILITY FACTOR : 0.99549

(CALC: GPA STD 2145 & TP-17 @14.696 & 60 F)

\*(DETAILED HYDROCARBON ANALYSIS/NJ 1993) ; ASTM D6730

THIS DATA HAS BEEN ACQUIRED THROUGH APPLICATION OF CURRENT STATE-OF-THE-ART ANALYTICAL TECHNIQUES.  
 THE USE OF THIS INFORMATION IS THE RESPONSIBILITY OF THE USER. EMPACT ANALYTICAL SYSTEMS, ASSUMES NO  
 RESPONSIBILITY FOR ACCURACY OF THE REPORTED INFORMATION NOR ANY CONSEQUENCES OF ITS APPLICATION.



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**EXTENDED NATURAL GAS ANALYSIS (\*DHA)**

**GLYCALC INFORMATION**

PROJECT NO. :	201412099	ANALYSIS NO. :	05
COMPANY NAME :	NIGHTHAWK PRODUCTION	ANALYSIS DATE:	DECEMBER 16, 2014
ACCOUNT NO. :		SAMPLE DATE :	DECEMBER 11, 2014
PRODUCER :		CYLINDER NO. :	0135
LEASE NO. :		SAMPLED BY :	GALE MCENDREE - EMPACT
NAME/DESCRIP :	SALE GAS 11:00 SNOWBIRD 16-15		
***FIELD DATA***		SAMPLE TEMP. :	100
SAMPLE PRES. :	23	AMBIENT TEMP.:	
VAPOR PRES. :		GRAVITY :	
COMMENTS :	SPOT; NO PROBE; LENGTH OF H2S STAIN @ 1 PPM (1-7PPM) 11:05 POSSIBLE MOISTURE IN SAMPLE - EMPACT		

<u>Componet</u>	<u>Mole %</u>	<u>Wt %</u>
Helium	0.67	0.09
Hydrogen	0.00	0.00
Carbon Dioxide	1.04	1.57
Carbon Monoxide	0.00	0.00
Nitrogen	23.55	22.69
Methane	40.89120	22.55980
Ethane	11.4879	11.8808
Propane	12.2573	18.5898
Isobutane	2.7562	5.5098
n-Butane	4.0837	8.1636
Isopentane	0.9723	2.4128
n-Pentane	0.8413	2.0877
Cyclopentane	0.0683	0.1647
n-Hexane	0.1463	0.4336
Cyclohexane	0.0512	0.1482
Other Hexanes	0.5137	1.5103
Heptanes	0.3112	1.0610
Methycyclohexane	0.0458	0.1547
2,2,4 Trimethylpentane	0.0037	0.0146
Benzene	0.0130	0.0349
Toluene	0.0086	0.0272
Ethylbenzene	0.0022	0.0081
Xylenes	0.0029	0.0105
C8+ Heavies	0.1832	0.7679
<u>Subtotal</u>	<u>99.90000</u>	<u>99.89000</u>
Oxygen/Argon	0.10	0.11
<u>Total</u>	<u>100.00000</u>	<u>100.00000</u>

THE DATA PRESENTED HEREIN HAS BEEN ACQUIRED THROUGH JUDICIOUS APPLICATION OF CURRENT STATE-OF-THE ART ANALYTICAL TECHNIQUES. THE APPLICATIONS OF THIS INFORMATION IS THE RESPONSIBILITY OF THE USER. EMPACT ANALYTICAL SYSTEMS, INC. ASSUMES NO RESPONSIBILITY FOR ACCURACY OF THE REPORTED INFORMATION NOR ANY CONSEQUENCES OF IT'S APPLICATION.



**EXTENDED NATURAL GAS ANALYSIS (\*DHA)**

**DHA COMPONENT LIST**

PROJECT NO. : 201412099 ANALYSIS NO. : 05  
 COMPANY NAME : NIGHTHAWK PRODUCTION ANALYSIS DATE: DECEMBER 16, 2014  
 ACCOUNT NO. : SAMPLE DATE : DECEMBER 11, 2014  
 PRODUCER : CYLINDER NO. : 0135  
 LEASE NO. : SAMPLED BY : GALE MCENDREE - EMPACT  
 NAME/DESCRIP : SALE GAS 11:00  
 SNOWBIRD 16-15

\*\*\*FIELD DATA\*\*\*  
 SAMPLE PRES. : 23 SAMPLE TEMP. : 100  
 VAPOR PRES. : AMBIENT TEMP.:  
 COMMENTS : SPOT; NO PROBE; LENGTH OF H2S STAIN @ 1 PPM (1-7PPM) 11:05  
 POSSIBLE MOISTURE IN SAMPLE - EMPACT

COMPONENT	PIANO #	MOLE %	MASS %	GPM @	
				14.650	14.730
Helium	---	0.67	0.09	---	---
Hydrogen	---	0.00	0.00	---	---
Oxygen/Argon	---	0.10	0.11	---	---
Nitrogen	---	23.55	22.69	---	---
Carbon Dioxide	---	1.04	1.57	---	---
Methane	P1	40.89120	22.55980	---	---
Ethane	P2	11.4879	11.8808	3.068	3.085
Propane	P3	12.2573	18.5898	3.373	3.391
i-Butane	I4	2.7562	5.5098	0.901	0.906
n-Butane	P4	4.0837	8.1636	1.286	1.293
2,2-Dimethylpropane	I5	0.0118	0.0293	0.005	0.005
i-Pentane	I5	0.9605	2.3835	0.351	0.352
n-Pentane	P5	0.8412	2.0875	0.304	0.306
2,2-Dimethylbutane	I6	0.0047	0.0139	0.002	0.002
Cyclopentane	N5	0.0683	0.1647	0.020	0.020
2,3-Dimethylbutane	I6	0.0201	0.0596	0.008	0.008
2-Methylpentane	I6	0.1941	0.5753	0.080	0.081
3-Methylpentane	I6	0.1175	0.3483	0.048	0.048
UnknownC5s	U5	0.0001	0.0002	0.000	0.000
n-Hexane	P6	0.1463	0.4336	0.060	0.060
2,2-Dimethylpentane	I7	0.0010	0.0034	0.000	0.000
Methylcyclopentane	N6	0.1771	0.5126	0.063	0.063
2,4-Dimethylpentane	I7	0.0041	0.0141	0.002	0.002
2,2,3-Trimethylbutane	I7	0.0004	0.0014	0.000	0.000
Benzene	A6	0.0130	0.0349	0.004	0.004
Cyclohexane	N6	0.0512	0.1482	0.017	0.017
2-Methylhexane	I7	0.0184	0.0634	0.009	0.009
2,3-Dimethylpentane	I7	0.0124	0.0428	0.006	0.006
1,1-Dimethylcyclopentane	N7	0.0102	0.0345	0.004	0.004
3-Methylhexane	I7	0.0367	0.1265	0.017	0.017
1c,3-Dimethylcyclopentane	N7	0.0385	0.1300	0.018	0.018
1t,3-Dimethylcyclopentane	N7	0.0277	0.0936	0.013	0.013
3-Ethylpentane	I7	0.0091	0.0314	0.004	0.004
1t,2-Dimethylcyclopentane	N7	0.0875	0.2955	0.040	0.040
2,2,4-Trimethylpentane	I8	0.0037	0.0146	0.002	0.002
UnknownC6s	U6	0.0002	0.0006	0.000	0.000
n-Heptane	P7	0.0420	0.1447	0.019	0.019
1c,2-Dimethylcyclopentane	N7	0.0077	0.0260	0.004	0.004
Methylcyclohexane	N7	0.0458	0.1547	0.018	0.018
2,2-Dimethylhexane	I8	0.0033	0.0130	0.002	0.002
1,1,3-Trimethylcyclopentane	N7	0.0020	0.0077	0.001	0.001

Ethylcyclopentane	N7	0.0091	0.0308	0.004	0.004
2,5-Dimethylhexane	18	0.0005	0.0020	0.000	0.000
2,2,3-Trimethylpentane	18	0.0005	0.0020	0.000	0.000
2,4-Dimethylhexane	18	0.0016	0.0063	0.001	0.001
1c,2t,4-Trimethylcyclopentane	N8	0.0099	0.0382	0.005	0.005
3,3-Dimethylhexane	18	0.0004	0.0016	0.000	0.000
1t,2c,4-Trimethylcyclopentane	N8	0.0247	0.0953	0.011	0.011
2,3,4-Trimethylpentane	18	0.0002	0.0008	0.000	0.000
Toluene	A7	0.0086	0.0272	0.003	0.003
2,3-Dimethylhexane	18	0.0019	0.0075	0.001	0.001
2-Methyl-3-ethylpentane	18	0.0009	0.0035	0.000	0.000
1,1,2-Trimethylcyclopentane	N8	0.0002	0.0008	0.000	0.000
2-Methylheptane	18	0.0141	0.0554	0.007	0.007
4-Methylheptane	18	0.0030	0.0118	0.002	0.002
3-Methyl-3-ethylpentane	18	0.0006	0.0024	0.000	0.000
3,4-Dimethylhexane	18	0.0005	0.0020	0.000	0.000
1c,2c,4-Trimethylcyclopentane	N8	0.0008	0.0031	0.000	0.000
1c,3-Dimethylcyclohexane	N8	0.0003	0.0012	0.000	0.000
3-Methylheptane	18	0.0019	0.0075	0.001	0.001
1c,2t,3-Trimethylcyclopentane	N8	0.0110	0.0424	0.006	0.006
3-Ethylhexane	18	0.0045	0.0177	0.002	0.002
1t,4-Dimethylcyclohexane	N8	0.0023	0.0089	0.001	0.001
1,1-Dimethylcyclohexane	N8	0.0009	0.0035	0.000	0.000
2,2,5-Trimethylhexane	19	0.0001	0.0005	0.000	0.000
3t-Ethylmethylcyclopentane	N8	0.0026	0.0100	0.001	0.001
2t-Ethylmethylcyclopentane	N8	0.0021	0.0081	0.001	0.001
1,1-Methylethylcyclopentane	N8	0.0070	0.0270	0.004	0.004
2,2,4-Trimethylhexane	19	0.0002	0.0009	0.000	0.000
1t,2-Dimethylcyclohexane	N8	0.0036	0.0139	0.002	0.002
1t,3-Dimethylcyclohexane	N8	0.0002	0.0008	0.000	0.000
UnknownC7s	U7	0.0044	0.0152	0.002	0.002
n-Octane	P8	0.0112	0.0440	0.006	0.006
1c,4-Dimethylcyclohexane	N8	0.0022	0.0085	0.001	0.001
i-Propylcyclopentane	18	0.0006	0.0023	0.000	0.000
2,4,4-Trimethylhexane	19	0.0002	0.0009	0.000	0.000
2,3,5-Trimethylhexane	19	0.0001	0.0005	0.000	0.000
2,2,3,4-Tetramethylpentane	19	0.0007	0.0031	0.000	0.000
2,3,4-Trimethylhexane	19	0.0005	0.0022	0.000	0.000
1c,2-Dimethylcyclohexane	N8	0.0007	0.0027	0.000	0.000
2,2-Dimethylheptane	19	0.0001	0.0005	0.000	0.000
1,1,4-Trimethylcyclohexane	N9	0.0034	0.0148	0.002	0.002
2,2,3-Trimethylhexane	19	0.0021	0.0093	0.001	0.001
2,4-Dimethylheptane	19	0.0002	0.0009	0.000	0.000
4,4-Dimethylheptane	19	0.0009	0.0040	0.000	0.000
Ethylcyclohexane	N8	0.0046	0.0178	0.002	0.002
n-Propylcyclopentane	N8	0.0005	0.0019	0.000	0.000
1c,3c,5-Trimethylcyclohexane	N9	0.0004	0.0017	0.000	0.000
2,5-Dimethylheptane	19	0.0001	0.0005	0.000	0.000
3,3-Dimethylheptane	19	0.0004	0.0018	0.000	0.000
3,5-Dimethylheptane	19	0.0003	0.0013	0.000	0.000
2,6-Dimethylheptane	19	0.0005	0.0022	0.000	0.000
1,1,3-Trimethylcyclohexane	N9	0.0014	0.0061	0.001	0.001
Ethylbenzene	18	0.0022	0.0081	0.001	0.001
1c,2t,4t-Trimethylcyclohexane	N9	0.0004	0.0017	0.000	0.000
2,3-Dimethylheptane	19	0.0004	0.0018	0.000	0.000
1,3-Dimethylbenzene (m-Xylene)	A8	0.0017	0.0062	0.001	0.001
1,4-Dimethylbenzene (p-Xylene)	A8	0.0004	0.0014	0.000	0.000
3,4-Dimethylheptane	19	0.0007	0.0031	0.000	0.000
3,4-Dimethylheptane (2)	19	0.0002	0.0009	0.000	0.000
4-Ethylheptane	19	0.0003	0.0013	0.000	0.000
4-Methyloctane	19	0.0007	0.0031	0.000	0.000
2-Methyloctane	19	0.0008	0.0035	0.000	0.000
1c,2t,3-Trimethylcyclohexane	N9	0.0005	0.0022	0.000	0.000
3-Ethylheptane	19	0.0002	0.0009	0.000	0.000

3-Methyloctane	I9	0.0019	0.0084	0.001	0.001
1c,2t,4c-Trimethylcyclohexane	I9	0.0001	0.0005	0.000	0.000
1,1,2-Trimethylcyclohexane	N9	0.0002	0.0009	0.000	0.000
3,3-Diethylpentane	I9	0.0001	0.0005	0.000	0.000
1,2-Dimethylbenzene (o-Xylene)	A8	0.0008	0.0029	0.000	0.000
i-Butylcyclopentane	N9	0.0008	0.0035	0.000	0.000
UnknownC8s	U8	0.0009	0.0035	0.000	0.000
n-Nonane	P9	0.0027	0.0119	0.002	0.002
1,1-Methylethylcyclohexane	N9	0.0008	0.0035	0.000	0.000
i-Propylbenzene	A9	0.0009	0.0037	0.000	0.000
i-Propylcyclohexane	N9	0.0003	0.0013	0.000	0.000
2,2-Dimethyloctane	I10	0.0002	0.0010	0.000	0.000
2,5-Dimethyloctane	I10	0.0001	0.0005	0.000	0.000
n-Butylcyclopentane	N9	0.0005	0.0022	0.000	0.000
3,3-Dimethyloctane	I10	0.0003	0.0015	0.000	0.000
n-Propylbenzene	A9	0.0007	0.0029	0.000	0.000
3,6-Dimethyloctane	I10	0.0002	0.0010	0.000	0.000
3-Methyl-5-ethylheptane	I10	0.0004	0.0020	0.000	0.000
1,3-Methylethylbenzene	A9	0.0005	0.0021	0.000	0.000
1,4-Methylethylbenzene	A9	0.0007	0.0029	0.000	0.000
1,3,5-Trimethylbenzene	A9	0.0003	0.0012	0.000	0.000
2,3-Dimethyloctane	I10	0.0001	0.0005	0.000	0.000
5-Methylnonane	I10	0.0005	0.0024	0.000	0.000
1,2-Methylethylbenzene	A9	0.0004	0.0017	0.000	0.000
3-Ethylheptane	I10	0.0001	0.0005	0.000	0.000
3-Methylnonane	I10	0.0003	0.0015	0.000	0.000
1,2,4-Trimethylbenzene	A9	0.0002	0.0008	0.000	0.000
t-Butylbenzene	A10	0.0009	0.0042	0.000	0.000
i-Butylcyclohexane	N10	0.0002	0.0010	0.000	0.000
1t-Methyl-2-n-propylcyclohexane	I10	0.0001	0.0005	0.000	0.000
i-Butylbenzene	A10	0.0001	0.0005	0.000	0.000
sec-Butylbenzene	A10	0.0001	0.0005	0.000	0.000
UnknownC9s	U9	0.0069	0.0304	0.004	0.004
n-Decane	P10	0.0017	0.0083	0.001	0.001
1,2,3-Trimethylbenzene	A9	0.0004	0.0017	0.000	0.000
1,3-Methyl-i-propylbenzene	A10	0.0001	0.0005	0.000	0.000
1,4-Methyl-i-propylbenzene	A10	0.0001	0.0005	0.000	0.000
Sec-Butylcyclohexane	A10	0.0011	0.0053	0.001	0.001
1,2-Methyl-i-propylbenzene	A10	0.0002	0.0009	0.000	0.000
3-Ethylnonane	I10	0.0001	0.0006	0.000	0.000
1,3-Diethylbenzene	A10	0.0002	0.0009	0.000	0.000
1,3-Methyl-n-propylbenzene	A10	0.0001	0.0005	0.000	0.000
1,4-Diethylbenzene	A10	0.0002	0.0009	0.000	0.000
1,4-Methyl-n-propylbenzene	A10	0.0003	0.0014	0.000	0.000
n-Butylbenzene	A10	0.0001	0.0005	0.000	0.000
1,3-Dimethyl-5-ethylbenzene	A10	0.0002	0.0009	0.000	0.000
1,2-Diethylbenzene	A10	0.0002	0.0009	0.000	0.000
t-Decahydronaphthalene	A9	0.0002	0.0011	0.000	0.000
1,2-Methyl-n-propylbenzene	A10	0.0002	0.0009	0.000	0.000
1,4-Dimethyl-2-ethylbenzene	A10	0.0001	0.0005	0.000	0.000
1,3-Dimethyl-4-ethylbenzene	A10	0.0001	0.0005	0.000	0.000
1,2-Dimethyl-4-ethylbenzene	A10	0.0003	0.0014	0.000	0.000
1,3-Dimethyl-2-ethylbenzene	A10	0.0001	0.0005	0.000	0.000
1,2-Dimethyl-3-ethylbenzene	A10	0.0004	0.0019	0.000	0.000
1,2-Ethyl-i-propylbenzene	A10	0.0001	0.0005	0.000	0.000
1,4-Methyl-t-butylbenzene	A11	0.0001	0.0005	0.000	0.000
UnknownC10s	U10	0.0063	0.0308	0.004	0.004
n-Undecane	P11	0.0011	0.0059	0.001	0.001
1,4-Ethyl-i-propylbenzene	A11	0.0001	0.0005	0.000	0.000
1,2,4,5-Tetramethylbenzene	A11	0.0001	0.0005	0.000	0.000
1,2-Methyl-n-butylbenzene	A11	0.0001	0.0005	0.000	0.000
1,2,3,5-Tetramethylbenzene	A11	0.0001	0.0005	0.000	0.000
1,2-Methyl-t-butylbenzene	A11	0.0002	0.0010	0.000	0.000
5-Methylindan	A11	0.0001	0.0005	0.000	0.000

4-Methylindan	A11	0.0002	0.0009	0.000	0.000
1,2-Ethyl-n-propylbenzene	A11	0.0001	0.0005	0.000	0.000
2-Methylindan	A11	0.0001	0.0005	0.000	0.000
1,3-Methyl-n-butylbenzene	A11	0.0001	0.0005	0.000	0.000
1,3-Di-i-propylbenzene	A11	0.0001	0.0006	0.000	0.000
sec-Pentylbenzene	A11	0.0002	0.0010	0.000	0.000
n-Pentylbenzene	A11	0.0001	0.0005	0.000	0.000
1,2-Di-n-propylbenzene	A11	0.0001	0.0006	0.000	0.000
1,4-Di-i-propylbenzene	A11	0.0002	0.0011	0.000	0.000
Naphthalene	A10	0.0001	0.0005	0.000	0.000
1,4-Ethyl-t-butylbenzene	A11	0.0001	0.0006	0.000	0.000
1,3-Di-n-propylbenzene	A12	0.0001	0.0006	0.000	0.000
UnknownC11s	U11	0.0019	0.0102	0.001	0.001
n-Dodecane	P12	0.0008	0.0047	0.001	0.001
1,3,5-Triethylbenzene	A12	0.0001	0.0006	0.000	0.000
1,2,4-Triethylbenzene	A12	0.0006	0.0033	0.000	0.000
1,4-Methyl-n-pentylbenzene	A12	0.0001	0.0006	0.000	0.000
n-Hexylbenzene	A12	0.0002	0.0011	0.000	0.000
1,2,3,4,5-Pentamethylbenzene	A13	0.0003	0.0015	0.000	0.000
2-Methylnaphthalene	A11	0.0002	0.0010	0.000	0.000
1-Methylnaphthalene	A11	0.0001	0.0005	0.000	0.000
UnknownC12s	U12	0.0018	0.0097	0.001	0.001
n-Tridecane	P13	0.0005	0.0032	0.000	0.000
UnknownC13s	U13	0.0014	0.0089	0.001	0.001
n-Tetradecane	P14	0.0003	0.0021	0.000	0.000
UnknownC14s	U14	0.0007	0.0048	0.001	0.001
n-Pentadecane	P15	0.0001	0.0007	0.000	0.000
UnknownC15s	U15	0.0003	0.0022	0.000	0.000
<b>TOTAL</b>		<b>100.00000</b>	<b>100.00000</b>	<b>9.8373</b>	<b>9.8905</b>

BTEX COMPONENTS	MOLE%	WT%	BTU @	14.650	14.730
BENZENE	0.0130	0.0349	LOW NET DRY REAL :	1177.7 /scf	1184.2 /scf
TOLUENE	0.0086	0.0272	NET WET REAL :	1157.1 /scf	1163.6 /scf
ETHYLBENZENE	0.0022	0.0081	HIGH GROSS DRY REAL :	1288.5 /scf	1295.5 /scf
XYLENES	0.0029	0.0105	GROSS WET REAL :	1266.0 /scf	1273.0 /scf
<b>TOTAL BTEX</b>	<b>0.0267</b>	<b>0.0807</b>	NET DRY REAL :	15417.1 /lb	15501.3 /lb
			GROSS DRY REAL :	16864.9 /lb	16957.0 /lb

RELATIVE DENSITY (AIR=1): 1.0026  
 COMPRESSIBILITY FACTOR : 0.99549

(CALC: GPA STD 2145 & TP-17 @14.696 & 60 F)

\*(DETAILED HYDROCARBON ANALYSIS/NJ 1993) ; ASTM D6730

THIS DATA HAS BEEN ACQUIRED THROUGH APPLICATION OF CURRENT STATE-OF-THE-ART ANALYTICAL TECHNIQUES.

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