



303-637-0150

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

**MAIN PAGE**

PROJECT NO. :	201102023	ANALYSIS NO. :	01
COMPANY NAME :	CARRIZO OIL & GAS, INC	ANALYSIS DATE:	FEBRUARY3, 2011
ACCOUNT NO. :		SAMPLE DATE :	FEBRUARY 2, 2011
PRODUCER :		CYLINDER NO. :	0.5 L GLASS
LEASE NO. :		SAMPLED BY :	
NAME/DESCRIP :	BOB WHITE 36-44-8-62 CRUDE OIL		

\*\*\*FIELD DATA\*\*\*  
 SAMPLE PRES. :  
 VAPOR PRES. :  
 COMMENTS :

SAMPLE TEMP. :  
 AMBIENT TEMP.:  
 GRAVITY :

<u>COMPONENT</u>	<u>MOLE %</u>	<u>MASS %</u>	<u>VOL %</u>
METHANE	0.1871	0.0258	0.0639
ETHANE	1.1183	0.2891	0.6032
PROPANE	3.4969	1.3258	1.9436
I-BUTANE	0.6809	0.3402	0.4492
N-BUTANE	2.7612	1.3797	1.7559
I-PENTANE	1.9505	1.2099	1.4398
N-PENTANE	3.1973	1.9832	2.3354
HEXANES PLUS	86.6078	93.4463	91.4090
<b>TOTALS</b>	<b>100.0000</b>	<b>100.0000</b>	<b>100.0000</b>

<u>BTEX COMPONENTS</u>	<u>MOLE%</u>	<u>MASS%</u>
BENZENE	0.7954	0.5341
TOLUENE	2.2006	1.7432
ETHYLBENZENE	0.6744	0.6156
XYLENE	2.2624	2.0650
<b>TOTAL BTEX</b>	<b>5.9328</b>	<b>4.9579</b>

(CALC: GPA STD 2145-94 & TP-17 @ 14.696 & 60 F)

	<u>TOTAL</u>	<u>C6+</u>
	<u>SAMPLE</u>	<u>FRACTION</u>
Specific Gravity (H2O=1) =	0.7437	0.7606 60/60
API Gravity =	58.76	54.54 60/60
Molecular Weight =	100.00	125.939
Absolute Density =	6.2	6.33 LBS/GAL
Heating Value Liq. Idl Gas=	125832	127980 BTU/GAL
Vapor/Liquid =	20.56	19.41 CUFT/GAL
Vapor Pressure =	0.00	1.20 PSIA @ 100 F

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

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