



Laboratory Services, Inc.

2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Chesapeake Energy
Attention: Mr. Steve Steadham
5014 Carlsbad Hwy
Hobbs, New Mexico 88240

SAMPLE:
IDENTIFICATION: KF State 4 #1
COMPANY: Chesapeake Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 8/10/05 8:45 am
ANALYSIS DATE: 8/10/05
PRESSURE - PSIG 2050
SAMPLE TEMP. °F
ATMOS. TEMP. °F 85
REMARKS: H2S <4 PPM

GAS (XX) LIQUID ()
SAMPLED BY: Steve Steadham
ANALYSIS BY: Vickie Sullivan

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.472	
Carbon Dioxide (CO2)	0.251	
Methane (C1)	92.787	
Ethane (C2)	3.643	0.972
Propane (C3)	1.248	0.343
I-Butane (IC4)	0.200	0.065
N-Butane (NC4)	0.429	0.135
I-Pentane (IC5)	0.183	0.067
N-Pentane (NC5)	0.179	0.065
Hexane Plus (C6+)	0.607	0.263
	100.000	1.910
BTU/CU.FT. - DRY	1097	
AT 14.850 DRY	1094	
AT 14.850 WET	1074	
AT 14.73 DRY	1099	
AT 14.73 WET	1080	
SPECIFIC GRAVITY -		
CALCULATED	0.619	
MEASURED		

MOLECULAR WT. 17.9601

BEFORE THE
OIL CONSERVATION DIVISION
Case # 13492&13493 Exhibit No.
Submitted By: Chesapeake Inc.
Hearing Date: August 22, 2005

BEFORE THE