





# Laboratory Services, Inc.

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FOR: BOPCO  
Attention: Dean Clemmer  
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Carlsbad, New Mexico 88220

SAMPLE: Separator Gas  
IDENTIFICATION Big Eddy Unit #74  
COMPANY: BOPCO  
LEASE:  
PLANT:

SAMPLE DATA: DATE SAMPLED: 11/24/09 9:15 am  
ANALYSIS DATE: 11/24/09  
PRESSURE - PSIG 60  
SAMPLE TEMP. °F  
ATMOS. TEMP. °F 44

GAS (XX) LIQUID ( )  
SAMPLED BY: Will McDaniel  
ANALYSIS BY: Vickie Sullivan

REMARKS: H2S = 10,976 PPM

## COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	1.098	
Nitrogen	(N2)	2.996	
Carbon Dioxide	(CO2)	0.501	
Methane	(C1)	36.038	
Ethane	(C2)	37.214	9.929
Propane	(C3)	15.178	4.172
I-Butane	(IC4)	1.967	0.642
N-Butane	(NC4)	3.004	0.945
I-Pentane	(IC5)	0.667	0.243
N-Pentane	(NC5)	0.496	0.179
Hexane Plus	(C6+)	0.841	0.365
		100.000	16.475

BTU/CU.FT. - DRY 1660  
AT 14.650 DRY 1655  
AT 14.650 WET 1626  
AT 14.73 DRY 1664  
AT 14.73 WET 1635

MOLECULAR WT 29.6042

SPECIFIC GRAVITY -  
CALCULATED 1.020  
MEASURED