

Lab #: 159785 Job #: 11250
 Sample Name: Bergstrom Water Well Co. Lab#:
 Company: Colorado Oil & Gas Conservation
 Date Sampled: 4/03/2009
 Container: Dissolved Gas Bottle
 Field/Site Name:
 Location: Fort Lupton, CO
 Formation/Depth:
 Sampling Point:
 Date Received: 4/06/2009 Date Reported: 4/09/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	nd			
Hydrogen -----	nd			
Argon -----	1.35			
Oxygen -----	17.71			
Nitrogen -----	72.15			
Carbon Dioxide -----	8.78			
Methane -----	0.0099			
Ethane -----	nd			
Ethylene -----	nd			
Propane -----	nd			
Iso-butane -----	nd			
N-butane -----	nd			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 0
 Specific gravity, calculated: 1.046

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.72

nd = not detected. na = not analyzed. Isotopic composition of carbon is relative to VPDB. Isotopic composition of hydrogen is relative to VSMOW. Calculations for BTU and specific gravity per ASTM D3588. Chemical compositions are normalized to 100%. Mol. % is approximately equal to vol. %. Chemical analysis based on standards accurate to within 2%