

Lab #: 169315 Job #: 11853
Sample Name: Dahl Co. Lab#:
Company: Colorado Oil & Gas Conservation
Date Sampled: 8/17/2009
Container: Dissolved Gas Bottle
Field/Site Name:
Location: Weld County
Formation/Depth:
Sampling Point:
Date Received: 8/19/2009 Date Reported: 9/28/2009

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 -----	na			
Oxygen + Argon -----	3.16			
Nitrogen -----	25.73			
Carbon Dioxide -----	0.96			
Methane -----	70.10	-70.92	-269.4	
Ethane -----	0.0512	-47.45		
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: 711

Specific gravity, calculated: 0.687

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.57

*Addition of helium negates the ability to detect native helium or hydrogen.

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%