

Lab #: 181088 Job #: 12640
 Sample Name: Androvich Well Co. Lab#:
 Company: Colorado Oil & Gas Conservation
 Date Sampled: 3/05/2010
 Container: Dissolved Gas Bottle
 Field/Site Name:
 Location:
 Formation/Depth:
 Sampling Point:
 Date Received: 3/10/2010 Date Reported: 4/14/2010

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 -----	0.426			
Oxygen -----	4.02			
Nitrogen -----	21.84			
Carbon Dioxide -----	0.40			
Methane -----	73.25	-70.70	-268.0	
Ethane -----	0.0596			
Ethylene -----	nd			
Propane -----	0.0014			
Iso-butane -----	0.0002			
N-butane -----	0.0002			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	0.0002			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 743
 Specific gravity, calculated: 0.674

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.58
 *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%