

Lab #: 173227  
Sample Name: Duper 26-2 Bradenhead  
Company: Colorado Oil & Gas Conservation  
Date Sampled: 10/01/2009  
Container: IsoTube®  
Field/Site Name: Anderson Complaint #200217527  
Location: Weld County  
Formation/Depth:  
Sampling Point:  
Date Received: 10/09/2009

Job #: 12092  
Co. Lab#:

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NOV 02 2009

**COGCC**

Date Reported: 10/28/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.0135			
Hydrogen -----	0.0019			
Argon -----	na			
Oxygen + Argon -----	2.80			
Nitrogen -----	11.33			
Carbon Dioxide -----	0.59	-4.01		
Methane -----	50.02	-48.88	-228.4	
Ethane -----	8.51	-29.83		
Ethylene -----	nd			
Propane -----	11.31			
Iso-butane -----	3.78			
N-butane -----	7.42			
Iso-pentane -----	1.87			
N-pentane -----	1.57			
Hexanes + -----	0.786			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 1493

Specific gravity, calculated: 1.021

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%