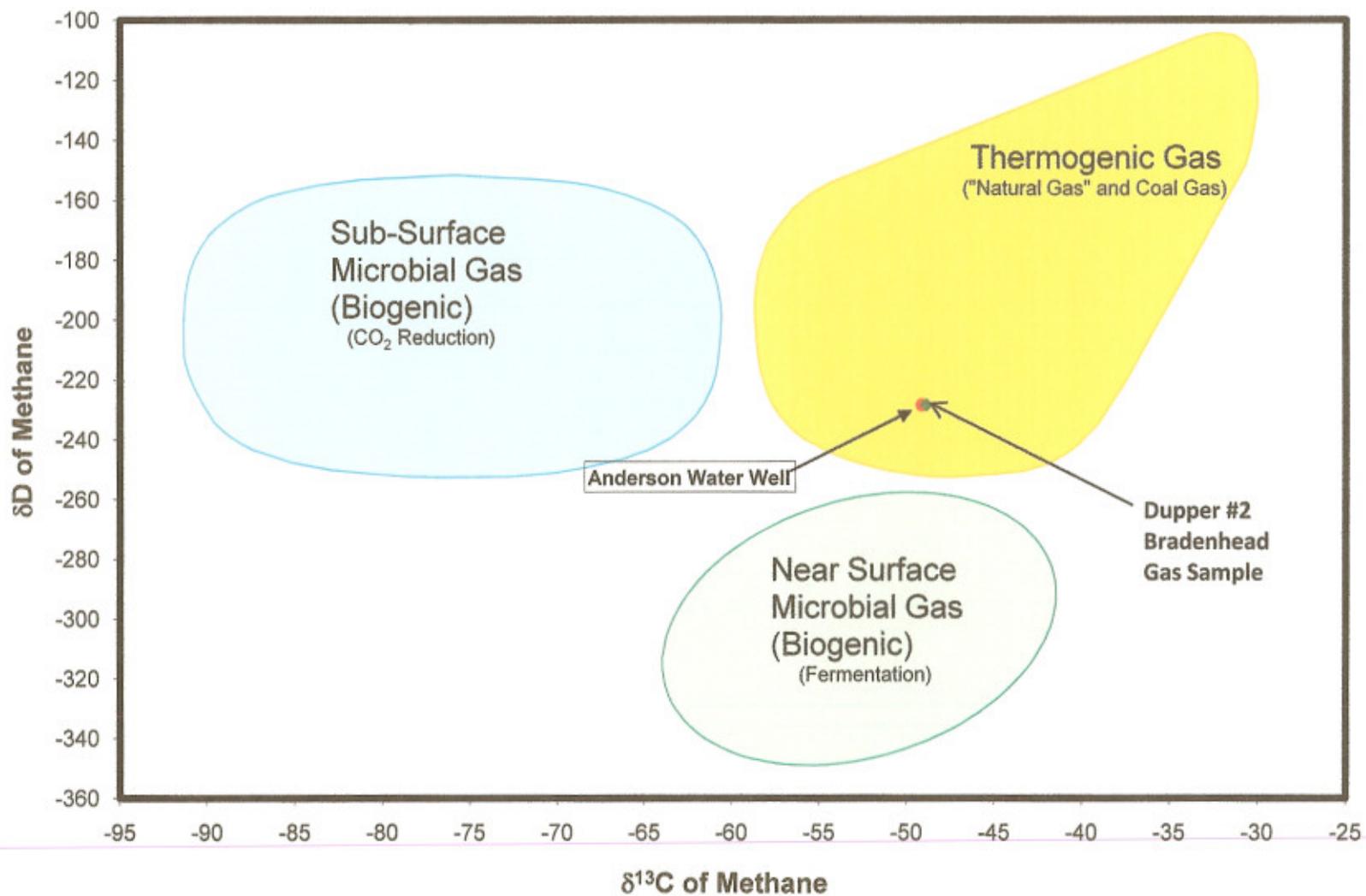


Isotopic Carbon Plot - Anderson Water Well vs. Dupper# 2 Oil & Gas Well



Lab #: 168422
 Sample Name: Anderson
 Company: Colorado Oil & Gas Conservation
 Date Sampled: 8/11/2009
 Container: Dissolved Gas Bottle
 Field/Site Name:
 Location: Weld County
 Formation/Depth:
 Sampling Point:
 Date Received: 8/12/2009

Job #: 11814
 Co. Lab#:

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Date Reported: 9/14/2009

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 -----	3.37			
Nitrogen -----	7.09			
Carbon Dioxide -----	0.14			
Methane -----	74.92	-49.13	-228.4	
Ethane -----	9.14	-28.65		
Ethylene -----	nd			
Propane -----	4.05	-26.41		
Iso-butane -----	0.493			
N-butane -----	0.632			
Iso-pentane -----	0.0953			
N-pentane -----	0.0546			
Hexanes + -----	0.0142			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 1069

Specific gravity, calculated: 0.706

Remarks: Analysis is of gas extracted from water by headspace equilibration. Analysis has been corrected for helium added to create headspace. Helium dilution factor = 0.62

*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%

Lab #: 173227 Job #: 12092
 Sample Name: Duper 26-2 Bradenhead Co. Lab#:
 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 Date Reported: 10/28/2009

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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%