

Date of Issue: 02/17/2009 08:21:12  
DEP Bureau Of Laboratories - Harrisburg  
P.O. Box 1467  
2575 Interstate Drive  
Harrisburg , PA 17105-1467

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Contact Phone Number: (717) 346-7200

Analytical Report FOR  
Oil And Gas Mgmt

Sample ID: 4530 118 01/21/2009 Status: COMPLETED

Name of Sample Collector: Michael O'Donnell  
Date Sample was Collected: 01/21/2009 10:00:00 AM

County: Susquehanna State: PA  
Municipality: Dimock Twp

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RODNEY BAKER  
RR 6 BOX 6209  
MONTROSE PA 18801-

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Sample Medium: Water  
Sample Medium Type: Ground Water

Location: NOT INDICATED  
Reason: Complaint

Sample taken from homeowner's kitchen sink. Water was run for  
several minutes after well pump kicked on.

Appearance: Sample appears clear

Laboratory Sample ID: 02009000320 Suite: METH COMPLETED

(continued)

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Analytical Report FOR  
Oil And Gas Mgmt

Sample ID: 4530 118 01/21/2009 Status: COMPLETED

Legal Seal: G039228 Intact: YES

This is a revised report

Test/Codes CAS# - Description	Reported Results	Date
Approver Test Method		Approved
74828 Methane	7.92 UG/L (U)	01/23/2009
MMINNICK		
74851 Ethene	19.8 UG/L (U)	01/23/2009
MMINNICK		
74840 Ethane	19.8 UG/L (U)	01/23/2009
MMINNICK		
74986 Propane	19.8 UG/L (U)	01/23/2009
MMINNICK		

(continued)

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Oil And Gas Mgmt

Sample ID: 4530 118 01/21/2009 Status: COMPLETED

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The results of the analyses provided in this laboratory report relate only  
to the sample(s) identified in the report.

Taru Upadhyay, Technical Director, Bureau of Laboratories

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End of Report

(continued)

ORGANICS LABORATORY QUALIFIERS

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- U - Indicates compound was analyzed for but not detected. The sample quantitation limit is reported.
- J - Indicates an estimated value, below the quantification limit, but above the method detection limit.
- N - Indicates presumptive evidence of a compound.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods. (ie, pesticides, triazines, PCB's, etc). The reported value is the average of the two results.
- Q - This flag identifies the average of multiple results from multiple analysis, or the average of the averages of dual column analysis methods.
- (Underline) - The compound is present at the amount reported. No flag.
- X - Non-target analytes co-elute with compound. Identification unable to be confirmed.



# ANALYSIS REPORT

Lab #: 155465  
Sample Name: 02020901 - 115-20026 Baker #1  
Company: Penn. Dept. of Environmental Res.  
Date Sampled: 2/02/2009  
Container: Cali-5-Bond Bag  
Field/Site Name: Carter Road  
Location: Dimock Twp Susquehanna Co  
Formation/Depth:  
Sampling Point: 7" Casing Annular Gas  
Date Received: 2/10/2009

Job #: 10986  
Co. Lab#:

Date Reported: 2/11/2009

Component	Chemical mol. %	Delta 13C per mil	Delta D per mil	Delta 15N per mil
Carbon Monoxide -----	nd			
Hydrogen Sulfide -----	nd			
Helium -----	0.0397			
Hydrogen -----	0.215			
Argon -----	0.0229			
Oxygen -----	0.491			
Nitrogen -----	2.00			
Carbon Dioxide -----	nd			
Methane -----	95.24	-31.72	-183.2	
Ethane -----	1.91			
Ethylene -----	nd			
Propane -----	0.0711			
Iso-butane -----	0.0024			
N-butane -----	0.0049			
Iso-pentane -----	nd			
N-pentane -----	nd			
Hexanes + -----	nd			

Total BTU/cu.ft. dry @ 60deg F & 14.7psia, calculated: 1002  
Specific gravity, calculated: 0.574

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%