

NATURAL GAS ANALYSIS REPORT  
GPA 2145-09

Sampled by:  
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Analyzed by:  
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Lab Number: 20100601 Analyzed: 02/26/10  
Sample From: Steckel Farms 6-1 Pressure:  
Producer: Catfish Minerals Temperature:  
Date: Location: 6-16-17  
Time: County: Rush  
Sampler: State: Kansas  
Source: Flow Test Formation: Arbuckle  
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	Mole %	GPM
Helium He:	5.295	0.000
Hydrogen H2:	0.000	0.000
Oxygen O2:	0.000	0.000
Nitrogen N2:	67.902	0.000
Carbon Dioxide CO2:	0.412	0.000
Methane C1:	21.906	0.000
Ethane C2:	2.412	0.905
Propane C3:	0.765	0.287
Iso Butane iC4:	0.381	0.117
Normal Butane nC4:	0.339	0.108
Iso Pentane iC5:	0.205	0.056
Normal Pentane nC5:	0.107	0.030
Hexanes Plus C6+:	0.276	0.063

TOTAL: 100.000 1.565  
Z Fact: 1.0000  
SP.GR.: 0.8598  
BTU (SAT): 334.0 @ 14.73 psia  
BTU (DRY): 340.0 @ 14.73 psia  
OCTANE RATING: 32.7

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COMMENTS:

0.000