

## NATURAL GAS ANALYSIS REPORT

Sampled by:  
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Analyzed by:  
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Lab Number: 983364  
Sample From: Sleeper J 1-21  
Producer: Burk & Williams  
Date:  
Time:  
Sampler:  
Source:

Analyzed: 09/02/98  
Pressure:  
Temperature:  
Location: 21-22-11  
County: Stafford  
State: Kansas  
Formation: Severy  
Sand

|                | Mole %     | GPM   |
|----------------|------------|-------|
| Helium         | He: 0.824  | 0.000 |
| Hydrogen       | H2: 0.000  | 0.000 |
| Oxygen         | O2: 0.000  | 0.000 |
| Nitrogen       | N2: 26.836 | 0.000 |
| Carbon Dioxide | CO2: 0.039 | 0.000 |
| Methane        | C1: 67.460 | 0.000 |
| Ethane         | C2: 2.712  | 0.725 |
| Propane        | C3: 1.018  | 0.281 |
| Iso Butane     | iC4: 0.204 | 0.067 |
| Normal Butane  | nC4: 0.322 | 0.102 |
| Iso Pentane    | iC5: 0.075 | 0.027 |
| Normal Pentane | nC5: 0.079 | 0.029 |
| Hexanes Plus   | C6+: 0.431 | 0.188 |

TOTAL: 100.000 1.418  
Z Fact: 0.9984  
SP.GR.: 0.7083  
BTU (SAT): 789.5 @ 14.73 psia  
BTU (DRY): 803.5 @ 14.73 psia  
OCTANE RATING: 92.1

COMMENTS:

0.000