

## NATURAL GAS ANALYSIS REPORT

Sampled by:  
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Lab Number: 950523  
Sample From: Atkinson 2-34 DST 1  
Producer: Marmik Oil Co.  
Date:  
Time:  
Sampler:  
Source: 2nd Opening

Analyzed: 10/03/95  
Pressure:  
Temperature:  
Location: 34-32-29  
County: Meade  
State: Kansas  
Formation: Lansing

|                | Mole %              | GPM   |
|----------------|---------------------|-------|
| Helium         | He: 0.125           | 0.000 |
| Oxygen         | O2: 0.000           | 0.000 |
| Nitrogen       | N2: 4.176           | 0.000 |
| Carbon Dioxide | CO2: 0.495          | 0.000 |
| Methane        | C1: 81.106          | 0.000 |
| Ethane         | C2: 5.776           | 1.545 |
| Propane        | C3: 3.479           | 0.959 |
| Iso Butane     | iC4: 0.624          | 0.204 |
| Normal Butane  | nC4: 1.284          | 0.405 |
| Iso Pentane    | iC5: 0.484          | 0.177 |
| Normal Pentane | nC5: 0.528          | 0.191 |
| Hexanes Plus   | C6+: 1.923          | 0.839 |
| TOTAL:         | 100.000             | 4.320 |
| Z Fact:        | 0.9967              |       |
| SP.GR.:        | 0.7370              |       |
| BTU (SAT):     | 1195.9 @ 14.73 psia |       |
| BTU (DRY):     | 1217.1 @ 14.73 psia |       |
| OCTANE RATING: | 117.5               |       |

## COMMENTS:

Sample entered under vacuum  
Sample contained 2.186 % Oxygen

2.186