

# NATURAL GAS ANALYSIS REPORT

**Sampled by:**

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**Analyzed by:**

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**Lab Number: 20016155****Analyzed: 12/05/01**

Sample From: Engleman B-1 DST 1  
Producer: OXY USA INC

**Pressure:****Temperature:****Date: Location: 35-34-41**

Time:  
Sampler:  
Source:

County: Morton  
State: Kansas  
Formation: Morrow

|                | Mole %     | GPM   |
|----------------|------------|-------|
| Helium         | He: 0.342  | 0.000 |
| Hydrogen       | H2: 0.016  | 0.000 |
| Oxygen         | O2: 0.000  | 0.000 |
| Nitrogen       | N2: 21.369 | 0.000 |
| Carbon Dioxide | CO2: 0.185 | 0.000 |
| Methane        | C1: 64.026 | 0.000 |
| Ethane         | C2: 4.566  | 1.221 |
| Propane        | C3: 3.755  | 1.035 |
| Iso Butane     | iC4: 0.481 | 0.157 |
| Normal Butane  | nC4: 1.365 | 0.430 |
| Iso Pentane    | iC5: 0.441 | 0.161 |
| Normal Pentane | nC5: 0.642 | 0.233 |
| Hexanes Plus   | C6+: 2.812 | 1.227 |

TOTAL: 100.000 4.464

Z Fact: 0.9970

SP.GR.: 0.8265

BTU (SAT): 1056.7 @ 14.73 psia

BTU (DRY): 1075.4 @ 14.73 psia

**OCTANE RATING: 94.4**

COMMENTS:

0.000