

NATURAL GAS ANALYSIS REPORT

Sampled by:
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|--------------|-----------------|--------------|----------|
| Lab Number: | 984329 | Analyzed: | 11/03/98 |
| Sample From: | Mirt #1 DST 1 | Pressure: | |
| Producer: | Noble Petroleum | Temperature: | |
| Date: | | Location: | 15-34-1 |
| Time: | | County: | Sumner |
| Sampler: | | State: | Kansas |
| Source: | | Formation: | Miss |

| | Mole % | GPM |
|----------------|------------|--------------|
| Helium | He: 0.442 | 0.000 |
| Hydrogen | H2: 0.006 | 0.000 |
| Oxygen | O2: 0.000 | 0.000 |
| Nitrogen | N2: 21.510 | 0.000 |
| Carbon Dioxide | CO2: 0.014 | 0.000 |
| Methane | C1: 63.443 | 0.000 |
| Ethane | C2: 7.789 | 2.083 |
| Propane | C3: 3.757 | 1.035 |
| Iso Butane | iC4: 0.562 | 0.184 |
| Normal Butane | nC4: 1.179 | 0.372 |
| Iso Pentane | iC5: 0.298 | 0.109 |
| Normal Pentane | nC5: 0.361 | 0.131 |
| Hexanes Plus | C6+: 0.639 | 0.279 |
| TOTAL: | 100.000 | 4.193 |
| Z Fact: | 0.9975 | |
| SP. GR.: | 0.7725 | |
| BTU (SAT): | 976.5 | @ 14.73 psia |
| BTU (DRY): | 993.8 | @ 14.73 psia |
| OCTANE RATING: | 96.3 | |

COMMENTS:

0.000