

NATURAL GAS ANALYSIS REPORT

GPA 2145-09

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-482-2371
Fax: 620-626-7108

Lab Number: 20121465
Sample From: HURON ST 21-16
Producer: VECTA OIL & GAS
Date:
Time:
Sampler:
Source:

Analyzed: 05/10/12
Pressure:
Temperature:
Location: 16-14-47
County: CHEYENNE
State: COLORADO
Formation:

| | | Mole % | GPM |
|----------------|------|--------|-------|
| Helium | He: | 0.202 | 0.000 |
| Hydrogen | H2: | 0.000 | 0.000 |
| Oxygen | O2: | 0.661 | 0.000 |
| Nitrogen | N2: | 15.866 | 0.000 |
| Carbon Dioxide | CO2: | 0.618 | 0.000 |
| Methane | C1: | 39.221 | 0.000 |
| Ethane | C2: | 12.410 | 4.654 |
| Propane | C3: | 13.836 | 5.187 |
| Iso Butane | iC4: | 2.326 | 0.713 |
| Normal Butane | nC4: | 6.853 | 2.179 |
| Iso Pentane | iC5: | 2.080 | 0.570 |
| Normal Pentane | nC5: | 2.670 | 0.738 |
| Hexanes Plus | C6+: | 3.257 | 0.748 |

TOTAL: 100.000 14.790
Z Fact: 0.9995
SP.GR.: 1.1355
BTU (SAT): 1624.9 @ 14.73 psia
BTU (DRY): 1653.7 @ 14.73 psia
OCTANE RATING: 89.6

COMMENTS:

Oxygen 0.661