

# NATURAL GAS ANALYSIS REPORT

Sampled by:  
 Trilobite Testing, L. L. C.  
 Hays, Kansas  
 Scott City, Kansas  
 Phone: 800-728-5369  
 Fax: 913-625-5620

Analyzed by:  
 Caraway Analytical, Inc  
 P. O. Box 2137  
 Liberal, Kansas 67905  
 Phone: 316-624-5389  
 Fax: 316-626-7108

|              |                   |              |          |
|--------------|-------------------|--------------|----------|
| Lab Number:  | 20012916          | Analyzed:    | 07/03/01 |
| Sample From: | Lohrens A-1 DST 1 | Pressure:    |          |
| Producer:    | Oxy USA, Inc.     | Temperature: |          |
| Date:        |                   | Location:    | 7-34-35  |
| Time:        |                   | County:      | Stevens  |
| Sampler:     |                   | State:       | Kansas   |
| Source:      |                   | Formation:   | Morrow   |

|                |      | Mole % | GPM   |
|----------------|------|--------|-------|
| Helium         | He:  | 0.165  | 0.000 |
| Hydrogen       | H2:  | 0.002  | 0.000 |
| Oxygen         | O2:  | 0.000  | 0.000 |
| Nitrogen       | N2:  | 3.632  | 0.000 |
| Carbon Dioxide | CO2: | 0.055  | 0.000 |
| Methane        | C1:  | 86.665 | 0.000 |
| Ethane         | C2:  | 4.819  | 1.289 |
| Propane        | C3:  | 2.532  | 0.698 |
| Iso Butane     | iC4: | 0.332  | 0.109 |
| Normal Butane  | nC4: | 0.771  | 0.243 |
| Iso Pentane    | iC5: | 0.195  | 0.071 |
| Normal Pentane | nC5: | 0.239  | 0.087 |
| Hexanes Plus   | C6+: | 0.593  | 0.259 |

TOTAL: 100.000    2.755  
 Z Fact: 0.9974  
 SP.GR.: 0.6588  
 BTU (SAT): 1094.1 @ 14.73 psia  
 BTU (DRY): 1113.5 @ 14.73 psia  
 OCTANE RATING: 121.5

COMMENTS:

0.000