

EMPACT ANALYTICAL SYSTEMS INC

365 SOUTH MAIN STREET
BRIGHTON, CO 80601
303-637-0150

NATURAL GAS ANALYSIS

PROJECT NO. : 0312006 ANALYSIS NO. : 02
COMPANY NAME : PRIORITY OIL & GAS ANALYSIS DATE: DECEMBER 2, 2003
ACCOUNT NO. : SAMPLE DATE : NOVEMBER 20, 2003
PRODUCER : PRIORITY OIL & GAS TO:
LEASE NO. : 2-19 CYLINDER NO. : 0389
NAME/DESCRIP : M.O.M.

FIELD DATA

SAMPLED BY : K ANDREWS AMBIENT TEMP.:
SAMPLE PRES. : 90# GRAVITY :
SAMPLE TEMP. : 50F VAPOR PRES. :
COMMENTS : PROBE

| <u>COMPONENTS</u> | <u>NORM. MOLE%</u> | <u>GPM @ 14.65</u> | <u>GPM @ 14.73</u> |
|-------------------|------------------------|------------------------|------------------------|
| HELIUM | 0.10 | - | - |
| HYDROGEN | 0.02 | - | - |
| OXYGEN/ARGON | 0.07 | - | - |
| NITROGEN | 5.11 | - | - |
| CO2 | 0.17 | - | - |
| METHANE | 92.62 | - | - |
| ETHANE | 1.34 | 0.356 | 0.358 |
| PROPANE | 0.39 | 0.107 | 0.108 |
| ISOBUTANE | 0.07 | 0.023 | 0.023 |
| N-BUTANE | 0.07 | 0.022 | 0.022 |
| ISOPENTANE | 0.02 | 0.007 | 0.007 |
| N-PENTANE | 0.01 | 0.004 | 0.004 |
| HEXANES+ | 0.01 | 0.004 | 0.004 |
| <u>TOTAL</u> | <u>100.00</u> | <u>0.523</u> | <u>0.526</u> |
| BTU @ 60 DEG F | | <u>14.65</u> | <u>14.73</u> |
| GROSS DRY REAL = | | 974.2 | 979.5 |
| GROSS WET REAL = | | 957.1 | 962.5 |

DENSITY (AIR=1 @14.696 PSIA 60F) : 0.5905

COMPRESSIBILITY FACTOR : 0.99805

NOTE: REFERENCE GPA 2261(ASTM D1945), 2145, & 2172 CURRENT PUBLICATIONS

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