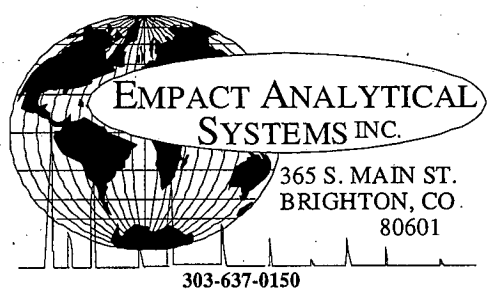


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15-023-20281-0000



**NATURAL GAS ANALYSIS**

PROJECT NO. : 200712050 ANALYSIS NO. : 03  
 COMPANY NAME : LONEWOLF ANALYSIS DATE: DECEMBER 11, 2007  
 ACCOUNT NO. : SAMPLE DATE : DECEMBER 6, 2007  
 PRODUCER : TO:  
 LEASE NO. : CYLINDER NO. : 1315  
 NAME/DESCRIP: Steffen 1-9 LOCATION: SEC. 09-03S-39W CHEYENNE COUNTY

\*\*\*FIELD DATA\*\*\*

SAMPLED BY : PETE LAUER AMBIENT TEMP.:  
 SAMPLE PRES. : 82 GRAVITY :  
 SAMPLE TEMP. : VAPOR PRES. :  
 COMMENTS :

| COMPONENTS   | NORM. MOLE%   | GPM @ 14.65  | GPM @ 14.73  |
|--------------|---------------|--------------|--------------|
| HELIUM       | 0.09          | -            | -            |
| HYDROGEN     | 0.00          | -            | -            |
| OXYGEN/ARGON | 0.04          | -            | -            |
| NITROGEN     | 4.21          | -            | -            |
| CO2          | 4.33          | -            | -            |
| METHANE      | 89.63         | -            | -            |
| ETHANE       | 1.13          | 0.301        | 0.302        |
| PROPANE      | 0.40          | 0.110        | 0.110        |
| 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+     | 0.00          | 0.000        | 0.000        |
| <b>TOTAL</b> | <b>100.00</b> | <b>0.466</b> | <b>0.468</b> |

BTU @ 60 DEG F 14.65 14.73  
 GROSS DRY REAL = 940.1 945.2  
 GROSS WET REAL = 923.7 928.8

RELATIVE DENSITY ( AIR=1 @14.696 PSIA 60F) : 0.6257  
 COMPRESSIBILITY FACTOR : 0.99791

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

KANSAS CORPORATION COMMISSION  
 APR 13 2009  
 RECEIVED