



**PRECISION SERVICE INC.**  
Flow Measurement Engineers  
Analysis Results Summary  
Casper, WY 82601

Run No. 127-1  
Date Run 01/27/84  
Date Sampled 01/25/84

*9-7-86*

Analysis For: **STEVENS OPERATING CORP**

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| Lease: <b>#4 Helen Collins Federal</b>  | Producer: <b>Stevens Operating Corp</b>        |
| Location: <b>Pecos Slope <i>ADP</i></b> | County: <b>Chaves</b> State: <b>New Mexico</b> |
| Purpose: <b>Well Test</b>               | Sampled By: <b>Keltic Services</b>             |
| Sampling Temp: <b>34</b> °F             | Atmos Temp: <b>60</b> °F                       |
| Volume/day: _____                       | Formation: <b>ABO</b>                          |
| Pressure on Bomb: <b>838</b>            | PSIG: Line Pressure <b>851.2</b> PSIA PSIG     |

**Gas Component**

Analysis

Press. Base: **14.73**

|                                   | Mol. %  | Liq. % | GPM<br>Per MCF |
|-----------------------------------|---------|--------|----------------|
| Carbon Dioxide CO <sub>2</sub>    | 5.013   |        |                |
| Oxygen O <sub>2</sub>             | .109    |        |                |
| Nitrogen N <sub>2</sub>           | 5.045   |        |                |
| Hydrogen Sulfide H <sub>2</sub> S |         |        |                |
| Methane C <sub>1</sub>            | 82.326  |        | 13.922         |
| Ethane C <sub>2</sub>             | 4.102   |        | 1.095          |
| Propane C <sub>3</sub>            | 1.596   |        | .439           |
| Iso Butane IC <sub>4</sub>        | .302    |        | .099           |
| Nor-Butane NC <sub>4</sub>        | .587    |        | .185           |
| Iso-Pentane IC <sub>5</sub>       | .231    |        | .084           |
| Nor-Pentane NC <sub>5</sub>       | .260    |        | .094           |
| Hexanes plus                      | .430    |        | .198           |
| Hexanes C <sub>6</sub>            |         |        |                |
| Heptanes                          |         |        |                |
| Heptanes Plus C <sub>7</sub> +    |         |        |                |
| Total                             | 100.000 |        | 16.114         |
| Pentane + G.P.M.                  |         |        | .376           |
| Propane + GPM                     |         |        | 1.098          |
| 6-lb Gasoline                     |         |        | .948           |

BTU Dry 1021  
BTU Wet 1021  
Calc. Specific Gravity .695

@ Std. Press. **14.696**

BTU Dry 1019  
BTU Wet 1019

Calc. Vap. Press. #/Sq. In. \_\_\_\_\_

Reid Vap. Press. #/Sq. In. \_\_\_\_\_

Z Factor .9975  
N Value 1.2997  
Ave Mol Wt 20.1002  
Ave Cu Ft/Gal \_\_\_\_\_

Run by Jeffrey A. Propp

Calculated By Jeffrey A. Propp

Ethane + GPM 2.192

Remarks: BTU Wet adjusted to flowing conditions as established by FERC Order #93/93-A and calculated per GPA Reference Bulletin 181-82.

Distribution: \_\_\_\_\_

