

NEW-TEX LAB  
P.O. Box 1161  
Hobbs, New Mexico 88240

ANALYSIS CERTIFICATE

CLIENT: JOHN WEST ENGINEERING INC  
ADDRESS: 412 N. DAL PASO  
CITY, STATE: HOBBS, NM 88240  
ANALYSIS NUMBER: 1886  
DATE OF RUN: 013088  
DATE SECURED: 012988

SAMPLE IDENT: MARSHALL PIPE & SUPPLY - SPEIGHT NO. 1  
SAMPLING PRESS: SAMPLING TEMP:

SAMPLED AT CASING

\*\*\*\*\* GAS ANALYSIS \*\*\*\*\*

|                | MOLE<br>PERCENT | GAL/<br>MCF |
|----------------|-----------------|-------------|
| NITROGEN       | 4.534           |             |
| CARBON DIOXIDE | 0.384           |             |
| METHANE        | 85.154          |             |
| ETHANE         | 5.298           | 1.413       |
| PROPANE        | 2.633           | 0.723       |
| ISO-BUTANE     | 0.330           | 0.105       |
| NORMAL BUTANE  | 0.840           | 0.264       |
| ISO-PENTANE    | 0.229           | 0.084       |
| NORMAL PENTANE | 0.294           | 0.106       |
| HEXANES        | 0.304           | 0.125       |
| TOTAL          | 100.000         | 2.823       |

PROPANE GPM: 0.72 BUTANES GPM: 0.37  
ETHANE GPM: 1.41 PENTANES PLUS GPM: 0.31

SPECIFIC GRAV (CALC): 0.6624  
MOLE WEIGHT: 19.18

| HHV-BTU/CU FT | PRESSURE (PSIA) | WET  | DRY  |
|---------------|-----------------|------|------|
| 14.696        |                 | 1075 | 1094 |
| 14.650        |                 | 1072 | 1091 |
| 14.730        |                 | 1077 | 1097 |
| 14.735        |                 | 1078 | 1097 |

ANALYZED BY:

DEAN J. SIMPSON

*Dean Simpson*  
APPROVED BY: