

## Laboratory Services

1331 Tasker Drive  
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

**WELL FILE**  
**COPY**FOR: Bennett & Cathey  
Attention: Mr. Monty Randolph  
P. O. Box 1784  
Hobbs, New Mexico 88241SAMPLE Crow Flats  
IDENTIFICATION: Federal Com 15 #1  
COMPANY: B.B.S.  
LEASE:  
PLANT:

|              |                 |                |              |                |
|--------------|-----------------|----------------|--------------|----------------|
| SAMPLE DATA: | DATE SAMPLED:   | 1/25/91 9:40AM | GAS (XX)     | LIQUID ( )     |
|              | ANALYSIS DATE:  | 01-25-91       | SAMPLED BY:  | Monty Randolph |
|              | PRESSURE - PSIG | 860.00         | ANALYSIS BY: | Rolland Perry  |
|              | SAMPLE TEMP. °F | 60.00          |              |                |
|              | ATMOS. TEMP. °F | 55.00          |              |                |

REMARKS:

## COMPONENT ANALYSIS

| COMPONENT        |       | MOL<br>PERCENT | GPM   |
|------------------|-------|----------------|-------|
| Oxygen           | (O2)  |                |       |
| Hydrogen Sulfide | (H2S) |                |       |
| Nitrogen         | (N2)  | 40.22          |       |
| Carbon Dioxide   | (CO2) | 0.42           |       |
| Methane          | (C1)  | 49.08          |       |
| Ethane           | (C2)  | 6.14           | 1.639 |
| Propane          | (C3)  | 2.85           | 0.782 |
| I-Butane         | (IC4) | 0.33           | 0.109 |
| N-Butane         | (NC4) | 0.58           | 0.183 |
| I-Pentane        | (IC5) | 0.14           | 0.051 |
| N-Pentane        | (NC5) | 0.09           | 0.034 |
| Hexane           | (C6)  | 0.15           | 0.062 |
| Heptanes Plus    | (C7+) | 0.00           | 0.000 |
|                  |       | 100.00         | 2.860 |

|                  |     |               |         |
|------------------|-----|---------------|---------|
| BTU/CU.FT. - DRY | 722 | MOLECULAR WT  | 23.2536 |
| AT 14.650 DRY    | 720 |               |         |
| AT 14.650 WET    | 708 | 2% GASOLINE - | 0.208   |
| AT 15.025 DRY    | 739 |               |         |
| AT 15.025 WET    | 726 |               |         |

|                    |       |
|--------------------|-------|
| SPECIFIC GRAVITY - |       |
| CALCULATED         | 0.803 |
| MEASURED           | 0.000 |