

MULTI-POINT PACK PRESSURE TEST FOR GAS WELLS

Pool Brown Formation Datone County Santa Fe  
Initial ✓ Special ✓ Date of Test 6/30/61  
Company Agate Oil & Gas Co. Lease Reid Well No. 22-0  
Unit N Sec. 2 Twp. 28N Rge. 9W Purchaser \_\_\_\_\_  
Casing 4 1/2 wt. 9.50 I.D. 4.090 Set at 6760 Perf. 6976 To 6612  
Tubing 2 3/4 wt. 4.70 I.D. 1.995 Set at 6425 Perf. 6425 To \_\_\_\_\_  
Gas Pay: From 6472 to 6612 = 6435 x 0.30 = 1930 Bar. Press. 12  
Producing From: Casing \_\_\_\_\_ Tubing \_\_\_\_\_ Type Well Single  
Single-Bradenhead-G. G. or G.G. Dual \_\_\_\_\_  
Date of Completion: 6/30/61 Packer \_\_\_\_\_ Reservoir Temp. \_\_\_\_\_

OBSERVED DATA

Tested Through: (Choke) (Choke) (Choke) Type Taps \_\_\_\_\_

| No. | Flow Data            |                     |             |             |           | Tubing Data |           | Casing Data |           | Duration of Flow Hr. |
|-----|----------------------|---------------------|-------------|-------------|-----------|-------------|-----------|-------------|-----------|----------------------|
|     | (Prover) (line) Size | (Choke) (line) Size | Press. psig | Diff. $h_w$ | Temp. °F. | Press. psig | Temp. °F. | Press. psig | Temp. °F. |                      |
| 1   |                      |                     |             |             |           | 4161        |           | 4161        |           | 17 min               |
| 2   |                      |                     |             |             |           | 4161        | 5002      | 4161        |           | 2 min                |
| 3   |                      |                     |             |             |           |             |           |             |           |                      |
| 4   |                      |                     |             |             |           |             |           |             |           |                      |
| 5   |                      |                     |             |             |           |             |           |             |           |                      |
| 6   |                      |                     |             |             |           |             |           |             |           |                      |

FLOW CALCULATIONS

| No. | Efficiency (24-Hour) $\eta_{24}$ | Pressure psia | Flow Temp. Factor $F_t$ | Gravity Factor $F_g$ | Compress. Factor $F_{gv}$ | Rate of Flow 4-MCFPD @ 15.025 psia |
|-----|----------------------------------|---------------|-------------------------|----------------------|---------------------------|------------------------------------|
| 1   | 100                              | 495           | 0.9815                  | 0.9815               | 1.0000                    | 1.00                               |
| 2   |                                  |               |                         |                      |                           |                                    |
| 3   |                                  |               |                         |                      |                           |                                    |
| 4   |                                  |               |                         |                      |                           |                                    |
| 5   |                                  |               |                         |                      |                           |                                    |
| 6   |                                  |               |                         |                      |                           |                                    |

NECESSARY CALCULATIONS

Gas and Hydrocarbon \_\_\_\_\_ of/bbl.  
Specific Gravity Separator Gas \_\_\_\_\_  
Specific Gravity Flowing Liquid \_\_\_\_\_  
Temperature \_\_\_\_\_

| No. | Pressure (psia) | Flow Temp. (°F) | Gravity Factor $F_g$ | Compress. Factor $F_{gv}$ | Rate of Flow (MCFPD) |
|-----|-----------------|-----------------|----------------------|---------------------------|----------------------|
| 1   | 495             | 69.8            | 0.9815               | 1.0000                    | 1.00                 |
| 2   |                 |                 |                      |                           |                      |
| 3   |                 |                 |                      |                           |                      |
| 4   |                 |                 |                      |                           |                      |
| 5   |                 |                 |                      |                           |                      |

Abstracts Provided \_\_\_\_\_  
Company \_\_\_\_\_  
Agent \_\_\_\_\_  
Witness \_\_\_\_\_  
Company \_\_\_\_\_

