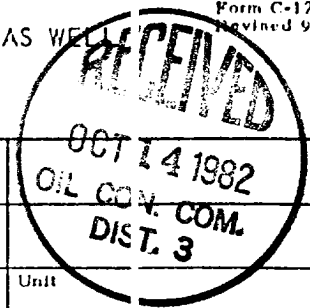


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122  
Revised 9-1-75



|                                                                                                                           |              |                          |                   |                                               |                    |                               |           |
|---------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------|-------------------|-----------------------------------------------|--------------------|-------------------------------|-----------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |              |                          |                   |                                               |                    | Test Date<br>9-25-82          |           |
| Company<br>Integrated Energy Inc.                                                                                         |              |                          |                   | Connection<br>Dome Petroleum Corp.            |                    |                               |           |
| Pool<br>Busty                                                                                                             |              |                          |                   | Formation<br>Chacara                          |                    |                               |           |
| Completion Date<br>9-17-82                                                                                                |              | Total Depth<br>1770      |                   | Plug Back TD<br>1728                          |                    | Elevation<br>6838             |           |
| Farm or Lease Name<br>Benson Fed                                                                                          |              |                          |                   | Well No.<br>25-22-7 #1                        |                    |                               |           |
| Csg. Size<br>4.500                                                                                                        | Wt.<br>10.5  | d<br>4.052               | Set At<br>1770    | Perforations:<br>From 1668 To 1688            |                    | Unit<br>B 25 22 7             |           |
| Trq. Size<br>1.400                                                                                                        | Wt.<br>2.750 | d<br>1.610               | Set At<br>1594    | Perforations:<br>From                      To |                    | County<br>Sandoval            |           |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |              |                          |                   | Packer Set At                                 |                    | State<br>New Mexico           |           |
| Producing Thru<br>769                                                                                                     |              | Reservoir Temp. °F<br>60 |                   | Mean Annual Temp. °F<br>12                    |                    | Baro. Press. - P <sub>a</sub> |           |
| L                                                                                                                         | H            | Gg                       | % CO <sub>2</sub> | % N <sub>2</sub>                              | % H <sub>2</sub> S | Prover                        | Meter Run |
| Taps                                                                                                                      |              |                          |                   |                                               |                    |                               |           |

| FLOW DATA |                  |       |              |                 |                      |          | TUBING DATA     |          | CASING DATA     |          | Duration of Flow |
|-----------|------------------|-------|--------------|-----------------|----------------------|----------|-----------------|----------|-----------------|----------|------------------|
| NO.       | Prover Line Size | X     | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F | Press. p.s.i.g. | Temp. °F | Press. p.s.i.g. | Temp. °F |                  |
| 1.        | 3"               | 1.750 |              | 6               |                      | 62°      | 463             |          | 464             |          | 3 hr             |
| 2.        |                  |       |              |                 |                      |          |                 |          |                 |          |                  |
| 3.        |                  |       |              |                 |                      |          |                 |          |                 |          |                  |
| 4.        |                  |       |              |                 |                      |          |                 |          |                 |          |                  |
| 5.        |                  |       |              |                 |                      |          |                 |          |                 |          |                  |

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                       |                   |                             |                      |
|---------------------------|-----------------------|------------------|-------------------------|-----------------------|-------------------|-----------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor Ft. | Gravity Factor Fg | Super Compress. Factor, Fpv | Rate of Flow Q, Mcfd |
| 1                         | 12.365                |                  | 18                      | .9981                 | 1.000             | 1.003                       | 223                  |
| 2.                        |                       |                  |                         |                       |                   |                             |                      |
| 3.                        |                       |                  |                         |                       |                   |                             |                      |
| 4.                        |                       |                  |                         |                       |                   |                             |                      |
| 5.                        |                       |                  |                         |                       |                   |                             |                      |

| NO. | P <sub>t</sub> | Temp. °R | T <sub>t</sub> | Z | Gas Liquid Hydrocarbon Ratio | A.P.I. Gravity of Liquid Hydrocarbons | Specific Gravity Separator Gas | Specific Gravity Flowing Fluid | Critical Pressure | Critical Temperature |
|-----|----------------|----------|----------------|---|------------------------------|---------------------------------------|--------------------------------|--------------------------------|-------------------|----------------------|
| 1.  |                |          |                |   |                              |                                       |                                |                                |                   |                      |
| 2.  |                |          |                |   |                              |                                       |                                |                                |                   |                      |
| 3.  |                |          |                |   |                              |                                       |                                |                                |                   |                      |
| 4.  |                |          |                |   |                              |                                       |                                |                                |                   |                      |
| 5.  |                |          |                |   |                              |                                       |                                |                                |                   |                      |

| NO. | P <sub>t</sub> | P <sub>w</sub> | P <sub>c</sub> <sup>2</sup> | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> |
|-----|----------------|----------------|-----------------------------|-----------------------------|-----------------------------------------------------------|
| 1   | 225625         | 128            | 16384                       | 209240                      |                                                           |
| 2.  |                |                |                             |                             |                                                           |
| 3.  |                |                |                             |                             |                                                           |
| 4.  |                |                |                             |                             |                                                           |
| 5.  |                |                |                             |                             |                                                           |

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0783$$

$$AOI = Q \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^{.75} = 236$$

$$(2) \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^{.75} = 1.0582$$

|                    |           |              |                |              |
|--------------------|-----------|--------------|----------------|--------------|
| Absolute Open Flow | 236 MCF/D | Mcf @ 15.025 | Angle of Slope | Slope, n .75 |
|--------------------|-----------|--------------|----------------|--------------|

Remarks: Light spray of H<sub>2</sub>O after app. 15 mins. First 15 mins dry Gas (was still making spray of H<sub>2</sub>O @ end of 3 hr test)

|                        |                                |                                 |            |
|------------------------|--------------------------------|---------------------------------|------------|
| Approved By Commission | Conducted By<br>B. J. Hladnick | Calculated By<br>B. J. Hladnick | Checked By |
|------------------------|--------------------------------|---------------------------------|------------|