

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**INITIAL WELL DELIVERABILITY TEST REPORT FOR 19** \_\_\_\_\_

Form C122-A  
 Revised 1-1-66

|                            |                              |                                |                             |
|----------------------------|------------------------------|--------------------------------|-----------------------------|
| POOL NAME<br><b>Blanco</b> | POOL SLOPE<br>n = <b>.75</b> | FORMATION<br><b>Mesa Verde</b> | COUNTY<br><b>Rio Arriba</b> |
|----------------------------|------------------------------|--------------------------------|-----------------------------|

|                                                            |                                      |                                               |                                                  |                                                  |                                          |
|------------------------------------------------------------|--------------------------------------|-----------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|
| COMPANY<br><b>Coastline Petroleum Co., Inc.</b>            |                                      |                                               | WELL NAME AND NUMBER<br><b>Schalk 55-2</b>       |                                                  |                                          |
| UNIT LETTER<br><b>A</b>                                    | SECTION<br><b>3</b>                  | TOWNSHIP<br><b>30N</b>                        | RANGE<br><b>5W</b>                               | PURCHASING PIPELINE<br><b>Northwest Pipeline</b> |                                          |
| CASING O.D. - INCHES<br><b>4.500</b>                       | CASING I.D. - INCHES<br><b>3.958</b> | SET AT DEPTH - FEET<br><b>5975</b>            | TUBING O.D. - INCHES<br><b>2.375</b>             | TUBING I.D. - INCHES<br><b>1.995</b>             | TOP - TUBING PERF. - FEET<br><b>5714</b> |
| GAS PAY ZONE<br>FROM <b>5684</b> TO <b>5786</b>            |                                      | WELL PRODUCING THRU<br>CASING TUBING <b>X</b> |                                                  | GAS GRAVITY<br><b>.589</b>                       | GRAVITY X LENGTH<br><b>3366</b> ✓        |
| DATE OF FLOW TEST<br>FROM <b>1-11-75</b> TO <b>1-19-75</b> |                                      |                                               | DATE SHUT-IN PRESSURE MEASURED<br><b>9-11-74</b> |                                                  |                                          |

**PRESSURE DATA - ALL PRESSURES IN PSIA**

|                                      |                                                          |                                               |                                                  |                                                         |                                                             |                                                              |
|--------------------------------------|----------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| (a) Flowing Casing Pressure (DWt)    | (b) Flowing Tubing Pressure (DWt)                        | (c) Flowing Meter Pressure (DWt)              | (d) Flow Chart Static Reading                    | (e) Meter Error (Item c - Item d)                       | (f) Friction Loss (a - c) or (b - c)                        | (g) Average Meter Pressure (Integr.)<br><b>210</b>           |
| (h) Corrected Meter Pressure (g + e) | (i) Avg. Wellhead Press. $P_t = (h + f)$<br><b>210</b> ✓ | (j) Shut-in Casing Pressure (DWt)<br><b>-</b> | (k) Shut-in Tubing Pressure (DWt)<br><b>1167</b> | (l) $P_c$ = higher value of (j) or (k)<br><b>1167</b> ✓ | (m) Del. Pressure $P_d =$ <b>80</b> % $P_c$<br><b>934</b> ✓ | (n) Separator or Dehydrator Pr. (DWt) for critical flow only |

**FLOW RATE CORRECTION (METER ERROR)**

|                                         |                                                                   |                                                              |                                              |
|-----------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|
| Integrated Volume - MCF/D<br><b>396</b> | Quotient of $\frac{\text{Item c}}{\text{Item d}}$<br><b>1.000</b> | $\sqrt{\frac{\text{Item c}}{\text{Item d}}}$<br><b>1.000</b> | Corrected Volume<br>$Q =$ <b>396</b> ✓ MCF/D |
|-----------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|

**WORKING PRESSURE CALCULATION**

|                                 |                                         |                                                           |                            |                                          |                                      |
|---------------------------------|-----------------------------------------|-----------------------------------------------------------|----------------------------|------------------------------------------|--------------------------------------|
| $(1 - e^{-s})$<br><b>.217</b> ✓ | $(F_c Q_m)^2 (1000)$<br><b>13,861</b> ✓ | $R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$<br><b>3,008</b> ✓ | $P_t^2$<br><b>44,100</b> ✓ | $P_w^2 = P_t^2 + R^2$<br><b>47,108</b> ✓ | $P_w = \sqrt{P_w^2}$<br><b>217</b> ✓ |
|---------------------------------|-----------------------------------------|-----------------------------------------------------------|----------------------------|------------------------------------------|--------------------------------------|

**DELIVERABILITY CALCULATION**

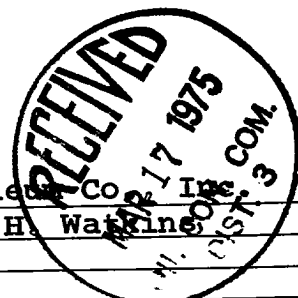
|                                                                           |                                                               |                    |                        |
|---------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|------------------------|
| $D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ <b>396</b> | $\left[ \frac{489,533}{1,314,781} \right]^n =$ <b>.3723</b> ✓ | $=$ <b>.4770</b> ✓ | $=$ <b>189</b> ✓ MCF/D |
|---------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|------------------------|

REMARKS:

**SUMMARY**

Item h **210** ✓ Psia  
 $P_c$  **1167** ✓ Psia  
 $Q$  **396** ✓ MCF/D  
 $P_w$  **217** ✓ Psia  
 $P_d$  **934** ✓ Psia  
 $D$  **189** ✓ MCF/D

Company **Coastline Petroleum Co., Inc.**  
 By **J.H. Watkins**  
 Title **Agent**  
 Witnessed By \_\_\_\_\_  
 Company \_\_\_\_\_



*OK*