

Int.  
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A  
Revised 1-1-68

|                     |                       |                 |              |
|---------------------|-----------------------|-----------------|--------------|
| POOL NAME<br>BLANCO | POOL SLOPE<br>n = .85 | FORMATION<br>PC | COUNTY<br>SJ |
|---------------------|-----------------------|-----------------|--------------|

87-059

|                                                |                               |                             |                                            |                                                |                                |
|------------------------------------------------|-------------------------------|-----------------------------|--------------------------------------------|------------------------------------------------|--------------------------------|
| COMPANY<br>EL PASO NATURAL GAS CO              |                               |                             | WELL NAME AND NUMBER<br>DAY #5             |                                                |                                |
| UNIT LETTER<br>F                               | SECTION<br>18                 | TOWNSHIP<br>29              | RANGE<br>8                                 | PURCHASING PIPELINE<br>EL PASO NATURAL GAS CO. |                                |
| CASING O.D. - INCHES<br>2.875                  | CASING I.D. - INCHES<br>2.441 | SET AT DEPTH - FEET<br>3132 | TUBING O.D. - INCHES<br>0.000              | TUBING I.D. - INCHES<br>0.000                  | TOP - TUBING PERF. - FEET<br>0 |
| GAS PAY ZONE<br>FROM 3079 TO 3099              |                               |                             | WELL PRODUCING THRU<br>CASING X TUBING     |                                                |                                |
| DATE OF FLOW TEST<br>FROM 10/09/69 TO 10/17/69 |                               |                             | DATE SHUT-IN PRESSURE MEASURED<br>07/24/69 |                                                |                                |

PRESSURE DATA - ALL PRESSURES IN PSIA

|                                           |                                               |                                          |                                        |                                               |                                           |                                                              |
|-------------------------------------------|-----------------------------------------------|------------------------------------------|----------------------------------------|-----------------------------------------------|-------------------------------------------|--------------------------------------------------------------|
| (a) Flowing Casing Pressure (DWt)<br>0    | (b) Flowing Tubing Pressure (DWt)<br>0        | (c) Flowing Meter Pressure (DWt)<br>0    | (d) Flow Chart Static Reading<br>0     | (e) Meter Error (Item c - Item d)<br>0        | (f) Friction Loss (a-c) or (b-c)<br>0     | (g) Average Meter Pressure (Integr.)<br>263                  |
| (h) Corrected Meter Pressure (g+e)<br>263 | (i) Avg. Wellhead Press. $P_i = (h+f)$<br>263 | (j) Shut-in Casing Pressure (DWt)<br>779 | (k) Shut-in Tubing Pressure (DWt)<br>0 | (l) $P_c$ = higher value of (j) or (k)<br>779 | (m) Del. Pressure $P_d = 80\% P_c$<br>623 | (n) Separator or Dehydrator Pr. (DWt) for critical flow only |

FLOW RATE CORRECTION (METER ERROR)

|                                  |                                                             |                                                        |                                   |
|----------------------------------|-------------------------------------------------------------|--------------------------------------------------------|-----------------------------------|
| Integrated Volume - MCF/D<br>547 | Quotient of $\frac{\text{Item c}}{\text{Item d}}$<br>1.0000 | $\sqrt{\frac{\text{Item c}}{\text{Item d}}}$<br>1.0000 | Corrected Volume<br>Q = 547 MCF/D |
|----------------------------------|-------------------------------------------------------------|--------------------------------------------------------|-----------------------------------|

WORKING PRESSURE CALCULATION

|                      |                               |                                               |                  |                                |                             |
|----------------------|-------------------------------|-----------------------------------------------|------------------|--------------------------------|-----------------------------|
| $(1-e^{-s})$<br>.131 | $(F_c Q_m)^2 (1000)$<br>9,217 | $R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$<br>1207 | $P_i^2$<br>69169 | $P_w^2 = P_i^2 + R^2$<br>70376 | $P_w = \sqrt{P_w^2}$<br>265 |
|----------------------|-------------------------------|-----------------------------------------------|------------------|--------------------------------|-----------------------------|

DELIVERABILITY CALCULATION

|                                                                |     |                                            |              |          |                       |
|----------------------------------------------------------------|-----|--------------------------------------------|--------------|----------|-----------------------|
| $D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ | 547 | $\left( \frac{218712}{536465} \right)^n =$ | $0.4076^n =$ | $0.4663$ | $= 255 \text{ MCF/D}$ |
|----------------------------------------------------------------|-----|--------------------------------------------|--------------|----------|-----------------------|

REMARKS:

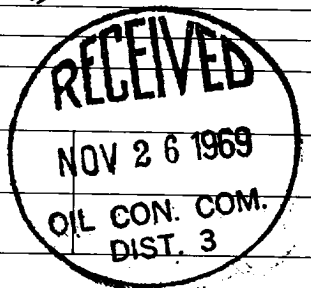
New Well 1st Del. Sept. 3, 1969.

SUMMARY

Item h 263 Psia  
P<sub>c</sub> 779 Psia  
Q 547 MCF/D  
P<sub>w</sub> 265 Psia  
P<sub>d</sub> 623 Psia  
D 255 MCF/D

OK

Company EL PASO NATURAL GAS CO  
By R. E. Stauffer  
Title  
Witnessed By  
Company



69/11/19

2286 87-059

NEW MEXICO OIL CONSERVATION COMMISSION

WELT DER VERBÄLTNISSE 1921

[illegible]

ALL PRESSURE DATA

[illegible]

FLOW RATE CORRECTION (METER ERROR)

[illegible]

WORKING PRESSURE CALCULATION

[illegible]

DELIVERABILITY CALIFORNIA

$$\left( \begin{array}{c} 1 \\ 0 \\ 0 \\ 0 \end{array} \right) = \left( \begin{array}{c} 1 \\ 0 \\ 0 \\ 0 \end{array} \right)$$

WILLIAM J. BAKER  
JAMES E. BAKER  
JOHN A. BAKER

YF CMMU2

*[Faint, illegible markings]*

