

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

Form C122-A
 Revised 1-1-66

| | | | |
|----------------------------------|------------------------------|-------------------------------------|-----------------------------|
| POOL NAME South Blanco | POOL SLOPE n = .85 | FORMATION Pictured Cliffs | COUNTY Rio Arriba |
|----------------------------------|------------------------------|-------------------------------------|-----------------------------|

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|--|--------------------------------------|---|--|---|--|
| COMPANY PAN AMERICAN PETROLEUM CORPORATION | | | WELL NAME AND NUMBER Jicarilla Contract 146 No. 18 | | |
| UNIT LETTER G | SECTION 3 | TOWNSHIP 25 | RANGE 5 | PURCHASING PIPELINE El Paso Natural Gas Co. | |
| CASING O.D. - INCHES 4.500 | CASING I.D. - INCHES 4.052 | SET AT DEPTH - FEET 3042 | TUBING O.D. - INCHES 1.660 | TUBING I.D. - INCHES 1.380 | TOP - TUBING PERF. - FEET 2923 |
| GAS PAY ZONE FROM 2931 TO 2945 | | WELL PRODUCING THRU CASING _____ TUBING X | | GAS GRAVITY | GRAVITY X LENGTH |
| DATE OF FLOW TEST FROM 12-13-69 TO 12-21-69 | | | DATE SHUT-IN PRESSURE MEASURED 10-3-69 | | |

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.) 436 |
| (h) Corrected Meter Pressure (g + e) 436 | (i) Avg. Wellhead Press. $P_t = (h + f)$ 436 | (j) Shut-in Casing Pressure (DWt) 660 | (k) Shut-in Tubing Pressure (DWt) 660 | (l) $P_c =$ higher value of (j) or (k) 660 | (m) Del. Pressure $P_d = \frac{80}{528} \% P_c$ | (n) Separator or Dehydrator Pr. (DWt) for critical flow only |

FLOW RATE CORRECTION (METER ERROR)

| | | | |
|---|---|--|--|
| Integrated Volume - MCF/D 198 | Quotient of $\frac{\text{Item c}}{\text{Item d}}$ | $\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ | Corrected Volume Q = 198 MCF/D |
|---|---|--|--|

WORKING PRESSURE CALCULATION

| | | | | | |
|----------------|----------------------|---|---------|-----------------------|----------------------|
| $(1 - e^{-s})$ | $(F_c Q_m)^2 (1000)$ | $R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ | P_t^2 | $P_w^2 = P_t^2 + R^2$ | $P_w = \sqrt{P_w^2}$ |
|----------------|----------------------|---|---------|-----------------------|----------------------|

DELIVERABILITY CALCULATION

| | | | | | | | |
|--|------------|--|--------------|-----|--------------|-----|------------------|
| $D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ | 198 | $\left[\frac{156,816}{245,504} \right]^n =$ | .6388 | $=$ | .6832 | $=$ | 135 MCF/D |
|--|------------|--|--------------|-----|--------------|-----|------------------|

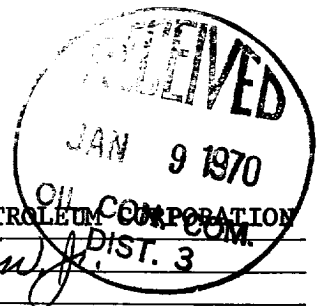
REMARKS:

SUMMARY

| | | |
|--------|------------|-------|
| Item h | 436 | Psia |
| P_c | 660 | Psia |
| Q | 198 | MCF/D |
| P_w | 436 | Psia |
| P_d | 528 | Psia |
| D | 135 | MCF/D |

OK

Company **PAN AMERICAN PETROLEUM CORPORATION**
 By **J. J. Jicarilla** DIST. 3
 Title **Area Engineer**
 Witnessed By _____
 Company _____



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