STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

## MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

| | | | | | |
|---|---|---|---|---|---|
| Type Test: [X] Initial [ ] Annual [ ] Special | | | | Test Date: 8-26-82 | |
| Company: El Paso Natural Gas Company | | Connection: Northwest Pipeline Corp. | | | |
| Pool: Tapacito | | Formation: Pictured Cliffs | | Unit: San Juan 27-4 Unit | |
| Completion Date: 8-19-82 | Total Depth: 3804 | Plug Back TD: 3787 | Elevation: 6821 GR | Farm or Lease Name: San Juan 27-4 Unit | |
| Csg. Size: 4.500 / Wt.: 10.5 / d: 4.065 / Set At: 3804 | | Perforations: From 3685 To 3761 | | Well No.: #148 | |
| Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 3724 | | Perforations: From To | | Unit: K / Sec.: 5 / Twp.: 27 / Rge.: 4 | |
| Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Tbg. | | Packer Set At: 12.0 | | County: Rio Arriba | |
| Producing Thru | Reservoir Temp. °F: B | Mean Annual Temp. °F | Baro. Press. – $P_a$ | State: New Mexico | |

| L | H | Gg | % $CO_2$ | % $N_2$ | % $H_2S$ | Prover | Meter Run | Taps |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| | FLOW DATA | | | | | TUBING DATA | | CASING DATA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO. | Prover Line Size | X Orifice Size | Press. p.s.i.g. | Diff. $h_w$ | Temp. °F | Press. p.s.i.g. | Temp. °F | Press. p.s.i.g. | Temp. °F | Duration of Flow |
| SI | | | | | | 361 | | 1058 | | 7 Days |
| 1. | | | | | | | | | | |
| 2. | | | | | | | | | | |
| 3. | | | | | | | | | | |
| 4. | | | | | | | | | | |
| 5. | | | | | | | | | | |

### RATE OF FLOW CALCULATIONS

| NO. | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure $P_m$ | Flow Temp. Factor Ft. | Gravity Factor Fg | Super Compress. Factor, Fpv | Rate of Flow Q, Mcfd |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |

| NO. | $P_t$ | Temp. °R | $T_r$ | Z |
|---|---|---|---|---|
| 1 | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5 | | | | |

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

| NO | $P_t$ | $P_w$ | $P_w^2$ | $P_c^2 - P_w^2$ |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

Absolute Open Flow _____ Mcf/d @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: After Frac Gauge = 217 MCF/D
Used to Size Equipment Only.

| Approved By Division | Conducted By: Loyal Baird | Calculated By: Bill Cloml | Checked By: |
|---|---|---|---|
| | | | |