OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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: 1-19-81 | |
| Company: El Paso Natural Gas Company | | | Connection: El Paso Natural Gas Company | | |
| Pool: Blanco | | | Formation: Mesa Verde | | Unit: San Juan 32-9 |
| Completion Date: 1-11-81 | Total Depth: 6400 | | Plug Back TD: 6384 | Elevation: 6710 GL | Farm or Lease Name: San Juan 32-9 Unit |
| Csg. Size: 7.000 / Wt.: 20.0 / d: 6.456 / Set At: 3977 | | | Perforations: From *5860 To 6322 | | Well No.: #61A |
| Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6299 | | | Perforations: From To | | Unit: D / Sec.: 36 / Twp.: 32 / Rge.: 9 |
| Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single | | | Packer Set At | | County: San Juan |
| Producing Thru: Tbg. | Reservoir Temp. °F: θ | Mean Annual Temp. °F | Baro. Press. – $P_a$: 12 | | State: New Mexico |
| L | H | Gg | % $CO_2$ | % $N_2$ | % $H_2S$ / Prover / Meter Run / Taps |

| NO. | FLOW DATA: Prover Line Size X Orifice Size | Press. p.s.i.g. | Diff. $h_w$ | Temp. °F | TUBING DATA: Press. p.s.i.g. | Temp. °F | CASING DATA: Press. p.s.i.g. | Temp. °F | Duration of Flow |
|---|---|---|---|---|---|---|---|---|---|
| SI | | | | | 1025 | | 1040 | | 8 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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

$P_c$ _____ $P_c^2$ _____

| NO | $P_t^2$ | $P_w$ | $P_w^2$ | $P_c^2 - P_w^2$ |
|---|---|---|---|---|
| 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 _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

| Approved By Division | Conducted By: | Calculated By: | Checked By: |
|---|---|---|---|
| | Gabe Archibeque | H. E. McAnally | |