NEW MEXICO OIL CONSERVATION COMMSSION

# MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
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OIL CON. COM.
DIST.

| | | | |
|---|---|---|---|
| Type Test: [X] Initial [ ] Annual [ ] Special | Test Date: 7-10-69 | | |
| Company: Aztec Oil & Gas Company | Connection: El Paso Natural Gas | | |
| Pool: Blanco | Formation: Mesaverde | Unit | |
| Completion Date: 7-3-69 | Total Depth: 6258 | Plug Back TD: 6253 | Elevation: 6333 GR |
| Farm or Lease Name: Albino Canyon | | | |
| Csg. Size: 4.5 / Wt.: 11.6 / I.D.: / Set At: 6257 / Perf.: 5916 / To: 6138 | Well No.: 1 | | |
| Tbg. Size: 1.99 / Wt.: 2.9 / I.D.: 1.610 / Set At: 6075 / Perf.: / To: | Unit: M / Sec.: 36 / Twp.: 32N / Rge.: 8W | | |
| Type Well - Single - Bradenhead - G.G. or G.O. Dual: Single | Packer Set At: | County: San Juan | |
| Producing Thru: Tubing | Reservoir Temp. °F: | Mean Annual Temp. °F: | Baro. Press. - $P_a$: | State: New Mexico |
| L: | H: | Gg: | $P_t$: | $P_c$: | Prover: | Meter Run: | Taps: |

## FLOW 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 |
|---|---|---|---|---|---|---|---|---|
| SI | | | | | | | 903 | |
| 1. | 2 | X | 3/4" | | | | 348 | |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |

## TUBING DATA / CASING DATA

| NO. | Press. p.s.i.g. | Temp. °F | Duration of Flow |
|---|---|---|---|
| SI | 904 | | |
| 1. | 649 | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

## RATE OF FLOW CALCULATIONS

| NO. | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure $P_m$ | Flow Temp. Factor $F_t$ | Gravity Factor $F_g$ | Super Compress. Factor, $F_{pv}$ | Rate of Flow Q, Mcfd |
|---|---|---|---|---|---|---|---|
| 1 | 12.365 | | 158 | 1.000 | .9258 | 1.017 | 1840 |
| 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

$P_c$ 916 $P_c^2$ 839056

| NO | $P_t^2$ | $P_w$ | $P_w^2$ | $P_c^2 - P_w^2$ |
|---|---|---|---|---|
| 1 | 24964 | | 268950 | 570106 |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4718$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3362$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2459$

Absolute Open Flow 2459 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission: Conducted By: Calculated By: Checked By: