NEW MEXICO OIL CONSERVATION COMMSSION

# MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 11-7-85

| | | | |
|---|---|---|---|
| Company: El Paso Natural Gas | Connection: | | |
| Pool: Basin | Formation: Dakota | Unit: | |
| Completion Date: 11-07-85 | Total Depth: 8415 | Plug Back TD: 8408 | Elevation: 6968 GR |
| Farm or Lease Name: S.J. 28-5 Unit | | | |
| Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 8415 | Perforations: From 8236 To 8362 | Well No.: #96E | |
| Tbg. Size: 1.900 / Wt.: 2.9 / d: 1.610 / Set At: 8344 | Perforations: From To | Unit: M / Sec.: 11 / Twp.: 28 / Rge.: 05 | |
| Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single | Packer Set At: None | County: Rio Arriba | |
| Producing Thru: Tbg. / Reservoir Temp. °F: a | 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

## 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 | | | | | | | 1800 | | 2195 | | 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. | $P_r$ | 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

$P_c$ _____ $P_c^2$ _____

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

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

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DIST. 3

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

Remarks: _____

| Approved By Commission: | Conducted By: | Calculated By: | Checked By: |
|---|---|---|---|
| | John Easley | Ed Mabe | kld |