Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

# GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool: Blanco Mesa Verde  Formation: Mesa Verde  County: Rio Arriba

Purchasing Pipeline: El Paso Natural Gas Company  Date Test Filed: _____

Operator: El Paso Natural Gas  Lease: San Juan 28-5  Well No.: 8

Unit: B  Sec.: 21  Twp.: 28N  Rge.: 5W  Pay Zone: From: 5332  To: 5855

Casing: OD: 7  WT.: 23  Set At: 5260  Tubing: OD: 2  WT.: 4.7  T. Perf.: 5811

Produced Through: Casing: _____  Tubing: X  Gas Gravity: Measured: .690  Estimated: _____

Date of Flow Test: From: 5/31  To: 6/8  * Date S.I.P. Measured: 7/12/55

Meter Run Size: 4  Orifice Size: _____  Type Chart: Sq. Rt.  Type Taps: Flange

## OBSERVED DATA

| | | | | |
|---|---|---|---|---|
| Flowing casing pressure (Dwt) | psig + 12 = | | psia | (a) |
| Flowing tubing pressure (Dwt) | psig + 12 = | | psia | (b) |
| Flowing meter pressure (Dwt) | psig + 12 = | | psia | (c) |
| Flowing meter pressure (meter reading when Dwt. measurement taken: | | | | |
| Normal chart reading | psig + 12 = | | psia | (d) |
| Square root chart reading (_____)$^2$ x spring constant | = | | psia | (d) |
| Meter error (c) - (d) or (d) - (c) | ± | = | psi | (e) |
| Friction loss, Flowing column to meter: | | | | |
| (b) - (c) Flow through tubing: (a) - (c) Flow through casing | | = | psi | (f) |
| Seven day average static meter pressure (from meter chart): | | | | |
| Normal chart average reading 7.65 | psig + 12 = 1000 | 585 | psia | (g) |
| Square root chart average reading (_____)$^2$ x sp. const. | = | 585 | psia | (g) |
| Corrected seven day avge. meter press. ($p_f$) (g) + (e) | = | 585 | psia | (h) |
| $P_t$ = (h) + (f) | = | 585 | psia | (i) |
| Wellhead casing shut-in pressure (Dwt) 1060 | psig + 12 = | 1072 | psia | (j) |
| Wellhead tubing shut-in pressure (Dwt) 1088 | psig + 12 = | 1100 | psia | (k) |
| $P_c$ = (j) or (k) whichever well flowed through | = | 1100 | psia | (l) |
| Flowing Temp. (Meter Run) 64 °F + 460 | = | | °Abs | (m) |
| $P_d$ = ½ $P_c$ = ½ (l) | = | 550 | psia | (n) |

## FLOW RATE CALCULATION

Q = _____ (integrated) X ( $\sqrt{(c)}$ / $\sqrt{(d)}$ = _____ = _____ )* = _____ MCF/da

## DELIVERABILITY CALCULATION

D = Q 190 [ ($P_c^2 - P_d^2$) = 907,500 / ($P_c^2 - P_w^2$) = 866,968 ]$^n$ 1.0468 / 1.0349 = 197 MCF/da.

SUMMARY

| | | |
|---|---|---|
| $P_c$ = | 1100 | psia |
| Q = | 190 | Mcf/day |
| $P_w$ = | 586 | psia |
| $P_d$ = | 550 | psia |
| D = | 197 | Mcf/day |

Company: El Paso Natural Gas Company
By: Original Signed
Title: Lewis D. Galloway
Witnessed by: _____
Company: _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

| GL | $(1-e^{-S})$ | $(F_cQ)^2$ | $(F_cQ)^2 (1-e^{-S}) / R^2$ | $P_t^2$ (Column i) | $P_t^2 + R^2$ | $P_w$ |
|---|---|---|---|---|---|---|
| 4010 | .253 | 3.190 | 807 | 342,225 | 343,032 | 586 |

D @ 500 = 203

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