Form C-122-A
Revised April 20, 1955

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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 South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 9-J

Unit M Sec. 18 Twp. 26 Rge. 5 Pay Zone: From 3014 To 3074

Casing: OD 5-1/2 WT. 15.5 Set At 3130 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3013

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .707 Estimated ____

Date of Flow Test: From 1-23 To 1-31-58 * Date S.I.P. Measured 12-24-57 (17 days)

Meter Run Size ____ Orifice Size ____ Type Chart ____ Type Taps ____

## 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 | ____ psig + 12 = | ____ | psia | (g) |
| Square root chart average reading (8.20)$^2$ x sp. const. 5 | = | 336 | psia | (g) |
| Corrected seven day avge. meter press. ($p_f$) (g) + (e) | = | 336 | psia | (h) |
| $P_t$ = (h) + (f) | = | 336 | psia | (i) |
| Wellhead casing shut-in pressure (Dwt) 1011 | psig + 12 = | 1023 | psia | (j) |
| Wellhead tubing shut-in pressure (Dwt) 1009 | psig + 12 = | 1021 | psia | (k) |
| $P_c$ = (j) or (k) whichever well flowed through | = | 1021 | psia | (l) |
| Flowing Temp. (Meter Run) 48 °F + 460 | = | 508 | °Abs | (m) |
| $P_d$ = ½ $P_c$ = ½ (l) | = | 511 | psia | (n) |

## FLOW RATE CALCULATION

Q = ____ (integrated) X $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 497 MCF/da

## DELIVERABILITY CALCULATION

$D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{781,320}{908,135} \right]^n$ .8603 / .8801 = 437 MCF/da.

SUMMARY

| | | | |
|---|---|---|---|
| $P_c$ = | 1021 psia | Company | El Paso Natural Gas |
| Q = | 497 Mcf/day | By | Original Signed |
| $P_w$ = | 367 psia | Title | Lewis D. Galloway |
| $P_d$ = | 511 psia | Witnessed by | |
| D = | 437 Mcf/day | Company | |

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

| GL | $(1-e^{-s})$ | $(F_cQ)^2$ | $\frac{(FcQ)^2 (1-e^{-s})}{R^2}$ | $Pt^2$ (Column i) | $P_t^2 + R^2$ | $P_w$ |
|---|---|---|---|---|---|---|
| 2130 | .143 | 149.720 | 21,410 | 112,896 | 134,306 | 367 |

D at 250 = 517

RECEIVED
FEB 17 1958
OIL CON. COM.
DIST. 3