

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - PANHANDLE BASIN**

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

Pool Formation County
Purchasing Pipeline Date Test Filed
Operator Lease Well No.
Unit Sec. Twp. Rge. Pay Zone: From To
Casing: OD WT. Set At Tubing: OD WT. T. Perf.
Produced Through: Casing Tubing Gas Gravity: Measured Estimated
Date of Flow Test: From To * Date S.I.P. Measured
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 (e)
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 ()² x sp. const. = psia (g)
Corrected seven day avg. meter press. (P_f) (g) + (e) = psia (h)
P_i = (h) + (f) = psia (i)
Wellhead casing shut-in pressure (Dwt) psig + 12 = psia (j)
Wellhead tubing shut-in pressure (Dwt) psig + 12 = psia (k)
P_c = (j) or (k) whichever well flowed through = psia (l)
Flowing Temp. (Meter Run) °F + 460 = °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = psia (n)

FLOW RATE CALCULATION

$$Q = \frac{\text{Integrated}}{\left(\frac{\sqrt{(c)} - \sqrt{(d)}}{\sqrt{(d)}} \right)} = \text{MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{MCF/day}$$

SUMMARY

P_c = psia Company
Q = Mcf/day By
P_w = psia Title
P_d = psia Witnessed by
D = Mcf/day Company

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _i ² (Column i)	P _i ² + R ²	P _w
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