

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)

72-173-01

Pool Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 30-6 Well No. 26
Unit K Sec. 19 Twp. 30 Rge. 6 Pay Zone: From _____ To _____
Casing: OD 5-1/2 WT. 15.5 Set At 5589 Tubing: OD 2" WT. 4.7 T. Perf. 5475
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 698 Estimated _____
Date of Flow Test: From 7/15/58 To 7/22/58 * Date S.I.P. Measured 5/21/58
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 (7.15) ² x sp. const. 10 = 511 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 511 psia (h)
P_t = (h) + (f) _____ = 511 psia (i)
Wellhead casing shut-in pressure (Dwt) 1045 psig + 12 = 1057 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1047 psig + 12 = 1059 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1059 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 _____ = 504 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 530 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{2422} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 2422 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{2680} \text{ MCF/da.}$
840581 1.1446
734349 1.1067

SUMMARY

P_c = 1059 psia
Q = 2422 Mcf/day
P_w = 622 psia
P_d = 530 psia
D = 2680 Mcf/day

Company El Paso Natural Gas
By Frank H. Kuehling
Title _____
Witnessed by _____
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>622</u>	<u>.245</u>	<u>510.564</u>	<u>126,011</u>		<u>261,121</u>	<u>307,132</u>	<u>622</u>

D at 500 = 2420

OK

