

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 Formation Mesaverde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 28-6 Unit Well No. 64
Unit N Sec. 14 Twp. 27 Rge. 6 Pay Zone: From 4792 To 5466
Casing: OD 5 1/2 WT. 15.5 Set At 5577 Tubing: OD 2 WT. 4.7 T. Perf. 5478
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 700 Estimated _____
Date of Flow Test: From 11/8/56 To 11/16/56 * Date S.I.P. Measured 6/14/56
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 (7.65) ² x sp. const. 10 _____ = 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) 1065 psig + 12 = 1077 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1032 psig + 12 = 1044 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1044 psia (l)
Flowing Temp. (Meter Run) 70 °F + 460 _____ = 530 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 522 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{1100}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1100 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{1208}$ MCF/da.
 $\frac{817,452}{721,720}$ $\frac{1.1326^{.75}}{1.0978}$

SUMMARY

P_c = 1044 psia
Q = 1100 Mcf/day
P_w = 607 psia
P_d = 522 psia
D = 1208 Mcf/day

Company El Paso Natural Gas Company
By L. B. Galloway
Title Dr. Gas Engineer
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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3835</u>	<u>.243</u>	<u>106.957</u>	<u>25,991</u>	<u>342,225</u>	<u>368,216</u>	<u>607</u>

B @ 500 = 1187

