

**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 J. Blanes Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 22-6 Unit Well No. 68 (P)
Unit L Sec. 13 Twp. 27 Rge. 6 Pay Zone: From 3060 To 3116
Casing: OD 7-5/8 WT. 26.4 Set At 3255 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3080
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .632 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 9-17-57 (10 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 (7.05) ² x sp. const. 10 _____ = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 497 psia (h)
P_t = (h) + (f) _____ = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 1091 psig + 12 = 1103 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1091 psig + 12 = 1103 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1103 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 _____ = 513 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 552 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right) = \underline{\underline{174}}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 174 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{166}}$ MCF/da.
 $\frac{.9428}{.9512}$

PG producing into NF system.

SUMMARY

P_c = 1103 psia Company El Paso Natural Gas
Q = 174 Mcf/day By Original Signed
P_w = 499 psia Title Louis D. Galloway
P_d = 552 psia Witnessed by _____
D = 166 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 R ²	(1-e ^{-S})	P _t ² (Column 1)	P _t ² + R ²	P _w
<u>1947</u>	<u>.132</u>	<u>18.353</u>	<u>2.423</u>		<u>247.909</u>	<u>249.432</u>	<u>499</u>

B at 250 = 201

