

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 Undersaturated Le Blano Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 28-7 Unit Well No. 80
Unit E Sec. 16 Twp. 27 Rgs. 7 Pay Zone: From 3099 To 3135
Casing: OD 5-1/2 WT. 15.50 Set At 3182 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3152
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .627 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 11-25-57
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 (7.50) ² x sp. const. 5 _____ = 281 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 281 psia (h)
F_t = (h) + (f) _____ = 281 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 1025 psig + 12 = 1037 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 1025 psig + 12 = 1037 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1037 psia (l)
Flowing Temp. (Meter Run) _____ 53 °F + 460 _____ = 513 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 519 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{852} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 852 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{711} \text{ MCF/day}$
8089 .8350

SUMMARY

P_c = 1037 psia Company El Paso Natural Gas
Q = 852 Mcf/day By Original Signed
P_w = 281 psia Title Lewis D. Galloway
P_d = 519 psia Witnessed by _____
D = 711 Mcf/day Company _____

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

REMARKS OF 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
			FRICTION NEGLECTIBLE			

D at 250 = 859

