

Initial Deliverability
Test

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)

70386

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 28-7 Well No. 1 (N)
Unit A Sec. 33 Twp. 28 Rge. 7 Pay Zone: From 4886 To 4958
Casing: OD 5 WT. 15 Set At 5019 Tubing: OD 2 WT. 4.7 T. Perf. 4894
Produced Through: Casing 2 Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 11/7/59 To 11/15/59 * Date S.I.P. Measured 9/4/59
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 (_____) ² x sp. const. _____ = 526 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 526 psia (h)
P_t = (h) + (f) _____ = 526 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 791 psig + 12 = 803 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 803 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 402 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{139}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 139 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{170}$ MCF/da.
 $\frac{1.3125}{1.2261}$

SUMMARY

P_c = 803 psia
Q = 139 Mcf/day
P_w = 526 psia
P_d = 402 psia
D = 170 Mcf/day

El Paso Natural Gas

Company _____
By Original Signed
Title Harold L. Kendrick
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
			Friction Negligible			

D at 500 = 143

