

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)

72-213

Pool South Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-6 Well No. 84
Unit I Sec. 15 Twp. 27 Rge. 6 Pay Zone: From 3150 To 3202
Casing: OD 5-1/2 WT. 15-1/2 Set At 3245 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3164
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 662 Estimated _____
Date of Flow Test: From 10/15/58 To 10/22/58 Date S.I.P. Measured 6/20/58 (18 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 (6.90) ² x sp. const. 5 _____ = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 238 psia (h)
P_t = (h) + (f) _____ = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 1026 psig + 12 = 1038 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1026 psig + 12 = 1038 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1038 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 519 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{222} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 222 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{183} \text{ MCF/da.}$
 $\frac{808083}{1016587}$ $\frac{.7949}{.8228}$

SUMMARY
P_c = 1038 psia Company El Paso Natural Gas
Q = 222 Mcf/day By Original Signed
P_w = 246 psia Title Harold L. Kendrick
P_d = 519 psia Witnessed by _____
D = 183 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
2095	.141	29.877	4,213	56,644	60,857	246

D at 250 = 220

