

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)

74-432-01

Pool Otero P.C. Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Canyon Largo Well No. 20
Unit P Sec. 12 Twp. 24 Rge. 6 Pay Zone: From 2128 To 2160
Casing: OD 5-1/2 WT. 14.5&15.5 Set At 2213 Tubing: OD 2" WT. 4.7 T. Perf. 2116
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .682 Estimated _____
Date of Flow Test: From 12/30/58 To 1/7/59 * Date S.I.P. Measured 10/22/58
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: _____ = _____ psi (f)
(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 (6.75) ² x sp. const. 5.00 = 228 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 228 psia (h)
P_t = (h) + (f) _____ = 228 psia (i)
Wellhead casing shut-in pressure (Dwt) 563 psig + 12 = 575 psia (j)
Wellhead tubing shut-in pressure (Dwt) 563 psig + 12 = 575 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 575 psia (l)
Flowing Temp. (Meter Run) 31 °F + 460 _____ = 491 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 288 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____} \right)^* = \text{95} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 95 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8888}{.9045} = \text{86} \text{ MCF/da.}$

SUMMARY

P_c = 575 psia
Q = 95 Mcf/day
P_w = 228 psia
P_d = 288 psia
D = 86 Mcf/day

Company El Paso Natural Gas
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 250 = 90

OK

