

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)

72-336-01

Pool Tapezito Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 27-5 Well No. 36 (P)
Unit 6 Sec. 36 Twp. 27 Rge. 5 Pay Zone: From 3922 To 2962
Casing: OD 7-5/8 WT. 26.5 Set At 4108 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3832
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 678 Estimated _____
Date of Flow Test: From 11/7/58 To 11/15/58 * Date S.I.P. Measured 7/21/58 (10 days)
Meter Run Size _____ Orifice Size 1.500 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 (7.55)² x sp. const. 10 = 570 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 570 psia (h)
P_t = (h) + (f) _____ = 570 psia (i)
Wellhead casing shut-in pressure (Dwt) 895 psig + 12 = 905 psia (j)
Wellhead tubing shut-in pressure (Dwt) 895 psig + 12 = 907 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 907 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 _____ = 504 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 454 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right)^* = \underline{870}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 870 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1209}$ MCF/day
 $\frac{616533}{418840}$ $\frac{1.4720}{1.3893}$

SUMMARY

P_c = 907 psia
Q = 870 Mcf/day
P_w = 635 psia
P_d = 454 psia
D = 1209 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
2598	.172	458.774	78.909		324900	403809	635

D at 250 = 1258

OK



X