

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

Operator El Paso Natural Gas Lease San Juan 30-4 Unit Well No. 17
Unit A Sec. 17 Twp. 30 Rge. 4 Pay Zone: From 4075 To 4992
Casing: OD 5-1/2 WT. 15.5 Set At 4451 Tubing: OD 2" WT. 4.7 T. Perf. 4037
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .619 Estimated _____
Date of Flow Test: From 6/29/58 To 7/9/58 * Date S.I.P. Measured 12/14/57
Meter Run Size _____ Orifice Size 1.250 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 (7.00) ² x sp. const. 10 = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 1228 psig + 12 = 1240 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1228 psig + 12 = 1240 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1240 psia (l)
Flowing Temp. (Meter Run) 70 °F + 460 _____ = 530 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 620 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{845} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 845 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{770} \text{ MCF/da.}$
 $\frac{1153200}{1287022}$ $\frac{.8960}{.9108}$

SUMMARY

P_c = 1240 psia
Q = 845 Mcf/day
P_w = 501 psia
P_d = 620 psia
D = 770 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
2499	.166	63.123	10,478	240,100	250,578	501

D at 250 = 939

