

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)

70-676-01

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 17

Unit K Sec. 8 Twp. 31 Rge. 9 Pay Zone: From 5296 To 5880

Casing: OD 7 WT. 20 & 23 Set At 5260 Tubing: OD 2" WT. 4.7 T. Perf. 5848

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .658 Estimated _____

Date of Flow Test: From 12/7/58 To 12/15/58 * Date S.I.P. Measured 9/22/58

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:

(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 (7.35) ² x sp. const. 10 _____ = 540 psia (g)

Corrected seven day avge. meter press. (g) + (e) _____ = 540 psia (h)

P_t = (h) + (f) _____ = 540 psia (i)

Wellhead casing shut-in pressure (Dwt) 841 psig + 12 = 853 psia (j)

Wellhead tubing shut-in pressure (Dwt) 819 psig + 12 = 831 psia (k)

P_c = (j) or (k) whichever well flowed through _____ = 853 psia (l)

Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)

P_d = ½ P_c = ½ (l) _____ = 427 psia (n)

$$Q = \text{(integrated)} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{440} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{440} \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{520} \text{ MCF/da.}$$

545,280 1.2506
436,009 1.1825

SUMMARY

P_c = 853 psia
Q = 440 Mcf/day
P_w = 540 psia
P_d = 427 psia
D = 520 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by _____
Company _____

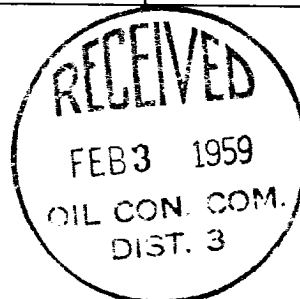
* This is date of completion test.

* 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 500 = 462



Ok