

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)

72-350-01

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 Well No. 26
Unit K Sec. 17 Twp. 30 Rge. 4 Pay Zone: From 4028 To 4300
Casing: OD 5.5 WT. 15.50 Set At 4329 Tubing: OD 1.25 WT. 2.4 T. Perf. 4256
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .644 Estimated _____
Date of Flow Test: From 12/30/58 To 1/7/59 * Date S.I.P. Measured 10/20/58 (15 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 (7.35)² x sp. const. 10 = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 540 psia (h)
P_t = (h) + (f) = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 1248 psig + 12 = 1260 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1248 psig + 12 = 1260 psia (k)
P_c = (j) or (k) whichever well flowed through = 1260 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 = 517 °Abs (m)
P_d = ½ P_c = ½ (l) = 630 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \text{435 MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 435 $\left[\frac{(P_c^2 - P_d^2) = \text{1,190,700}}{(P_c^2 - P_w^2) = \text{1,296,000}} \right]^n \frac{.9187}{.9305} = \text{405 MCF/da.}$

SUMMARY

P_c = 1260 psia
Q = 435 Mcf/day
P_w = 540 psia
P_d = 630 psia
D = 405 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 = 498

OK



