

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 Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 30-4 Well No. 11
Unit J Sec. 8 Twp. 30 Rge. 4 Pay Zone: From 4054 To 4336
Casing: OD 5-1/2 WT. 15.5 Set At 4384 Tubing: OD 2 WT. 4.7 T. Perf. 4258
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .625 Estimated _____
Date of Flow Test: From 11/30 To 12/9/57 * Date S.I.P. Measured 7/11/56
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 (7.70)² x sp. const. 10 _____ = 593 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 593 psia (h)
P_t = (h) + (f) _____ = 593 psia (i)
Wellhead casing shut-in pressure (Dwt) 1128 psig + 12 = 1140 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1127 psig + 12 = 1139 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1139 psia (l)
Flowing Temp. (Meter Run) 47 °F + 460 _____ = 507 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 570 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{378} \text{ MCF/da}$
(Integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 378 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.0307}{1.0260} = \text{388} \text{ MCF/da.}$
 $\frac{972,421}{943,449}$

SUMMARY

P_c = 1139 psia Company El Paso Natural Gas
Q = 378 Mcf/day By _____
P_w = 595 psia Title Original Signed
P_d = 570 psia Witnessed by Lewis D. Galloway
D = 388 Mcf/day 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
2661	.176	12.631	2,223	351,649	353,872	595

D at 250 = 472

OK



