

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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-6 Well No. 75
Unit N Sec. 3 Twp 27 Rge. 6 Pay Zone: From 4620 To 5378
Casing: OD 5-1/2 WT. 14 Set At 5400 Tubing: OD 2 WT. 4.7 T. Perf. 5145
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .710 Estimated _____
Date of Flow Test: From 11/8/57 To 11/16/57 * Date S.I.P. Measured 3/5/57
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) 1106 psig + 12 = 1118 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1092 psig + 12 = 1104 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1104 psia (l)
Flowing Temp. (Meter Run) 56 °F + 460 _____ = 516 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 552 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{523}$ MCF/day
(integrated)

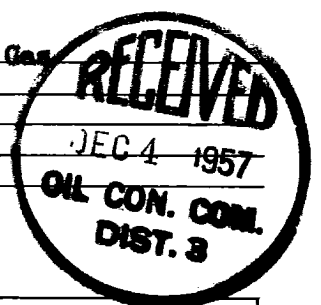
DELIVERABILITY CALCULATION

D = Q 523 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{520}$ MCF/day
 $\frac{.9916}{.9937}$

SUMMARY

P_c = 1104 psia
Q = 523 Mcf/day
P_w = 545 psia
P_d = 552 psia
D = 520 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Galloway
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
3653	.233	24.177	5.633	291,600	297,233	545

D at 500 = 535

OK