

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 South Blanco Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-7 Well No. 67
Unit 0 Sec. 5 Twp. 27 Rge. 7 Pay Zone: From 3262 To 3288
Casing: OD 5-1/2 WT. 15.5 Set At 3350 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3248
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .625 Estimated _____
Date of Flow Test: From 11/8 To 11/16 * Date S.I.P. Measured 1/9/57
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 (7.30) ² x sp. const. .5 _____ = 266 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 266 psia (h)
P_t = (h) + (f) _____ = 266 psia (i)
Wellhead casing shut-in pressure (Dwt) 964 psig + 12 = 976 psia (j)
Wellhead tubing shut-in pressure (Dwt) 964 psig + 12 = 976 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 976 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 _____ = 510 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 488 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{\underline{336}}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 336 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{\underline{284}}$ MCF/day
714,432 .8188
872,446 .8438

SUMMARY

P_c = 976 psia
Q = 336 Mcf/day
P_w = 283 psia
P_d = 488 psia
D = 304 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
2030	.137	68.426	9374	70755	80130	283

D at 250 = 337

