

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 El Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease El Paso Unit Well No. 60
Unit B Sec. 25 Twp. 27 Rge. 7 Pay Zone: From 3000 To 3016
Casing: OD 5 1/2 WT. 15.5 Set At 3007 Tubing: OD 2 WT. 4.7 T. Perf. 3003
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .683 Estimated _____
Date of Flow Test: From 10-16-57 To 10-21-57 * Date S.I.P. Measured 9-12-56
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 (7.25) ² x sp. const. .5 _____ = 263 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 263 psia (h)
P_t = (h) + (f) _____ = 263 psia (i)
Wellhead casing shut-in pressure (Dwt) 948 psig + 12 = 960 psia (j)
Wellhead tubing shut-in pressure (Dwt) 948 psig + 12 = 960 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 960 psia (l)
Flowing Temp. (Meter Run) 96 °F + 460 _____ = 516 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 480 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{323}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 323 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{132}$ MCF/day
631.000
830.12
8108
8367

SUMMARY

P_c = 960 psia
Q = 323 Mcf/day
P_w = 263 psia
P_d = 480 psia
D = 132 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
<u>21.87</u>	<u>1.47</u>	<u>769</u>	<u>Negligible</u>			

D at 250 = 323

OK



