

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 Date Test Filed _____

Operator El Paso Natural Gas Lease Rincon Unit Well No. 91
Unit D Sec. 11 Twp. 26 Rge. 7 Pay Zone: From 2930 To 2978
Casing: OD 5-1/2 WT. 15.5 Set At 3025 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2911
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 9/22 To 9/30/57 * Date S.I.P. Measured 2/5/57
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.65)² x sp. const. .5 = 293 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 293 psia (h)
P_t = (h) + (f) = 293 psia (i)
Wellhead casing shut-in pressure (Dwt) 783 psig + 12 = 795 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through = 795 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 398 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{1020}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION
D = Q 1020 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0189}{1.0160} = \underline{1036}$ MCF/da.

SUMMARY
P_c = 795 psia Company El Paso Natural Gas
Q = 1020 Mcf/day By Original Signed
P_w = 409 psia Title Louis D. Galloway
P_d = 398 psia Witnessed by _____
D = 1036 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + P _w ²	P _w
1907	.129	630.613	81,349		85,849	167,198	409

D at 250 = 1047

OK

