

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 Wildcat Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Jicarilla Well No. 2-J
Unit B Sec. 20 Twp. 26 Rge. 5 Pay Zone: From 3079 To 3110
Casing: OD 5-1/2 WT. 15.5 Set At 3182 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3104
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .715 Estimated _____
Date of Flow Test: From 8/23 To 8/31 * Date S.I.P. Measured 5/1/57
Meter Run Size 4 Orifice Size 1.250 Type Chart Sq. Rt. Type Taps Flange

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. 5 = 296 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 296 psia (h)
P_t = (h) + (f) = 296 psia (i)
Wellhead casing shut-in pressure (Dwt) 1025 psig + 12 = 1037 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1025 psig + 12 = 1037 psia (k)
P_c = (j) or (k) whichever well flowed through = 1037 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 519 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{267}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 267 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{225}$ MCF/da.
 $\frac{806,008}{987,753}$ $\frac{.8160}{.8412}$

SUMMARY

P_c = 1037 psia Company El Paso Natural Gas
Q = 267 Mcf/day By Original Signed
P_w = 296 psia Title Lewis D. Galloway
P_d = 519 psia Witnessed by _____
D = 225 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 + R ²	P _w

FRICTION NEGLIGIBLE

D at 250 = 271

