

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 Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Jicarilla Well No. 14-J
Unit F Sec. 18 Twp. 26 Rge. 5 Pay Zone: From 3097 To 3160
Casing: OD 5-1/2 WT. 15.5 Set At 3214 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3093
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 1-23 To 1-31-58* Date S.I.P. Measured 12-24-57 (8 days)
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 (8.60)² x sp. const. 5 = 370 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 370 psia (h)
P_t = (h) + (f) = 370 psia (i)
Wellhead casing shut-in pressure (Dwt) 1015 psig + 12 = 1027 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1015 psig + 12 = 1027 psia (k)
P_c = (j) or (k) whichever well flowed through = 1027 psia (l)
Flowing Temp. (Meter Run) 46 °F + 460 = 506 °Abs (m)
P_d = ½ P_c = ½ (l) = 514 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right)^* = \underline{288}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 288 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{255}$ MCF/day.
 $\frac{.8682}{.8868}$

SUMMARY

P_c = 1027 psia Company El Paso Natural Gas
Q = 288 Mcf/day By Original Signed
P_w = 380 psia Title _____
P_d = 514 psia Witnessed by Lewis D. Galloway
D = 255 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
2150	.145	50,282	7,291	136,900	144,191	380

D at 250 = 306

