

Initial
Deliverability Test

FORM C-122-A
EL PASO 11-1-62

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool Blanco Formation Mesa Verde County Rio Arriba

Well Name McElvain No. 6-A 70-390

Unit L 25 T 22 R 7 Pay Zone 5151 To 5600 Flow String Tubing

Casing O D 1.500 I D 1.052 Set at 5601 Tubing O D 2.375 I D 1.995 L 5566 Top Perf.

Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c , psia Period Of Test Flow From 5-31-64 To 6-3-64 SIP Measured 1-28-63

Deadweight Flowing Pressure, psia Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Chart (d)

Deadweight Shut-In Pressures, psia Meter Error Friction Loss
Casing 570 (j) Tubing 634 (k) (e) (f)

7 Day-Avg. Flowing Pres., psia
Chart 476 (g) Corrected 476 (h) P_f 476 (i) Gravity .676

G. L. = 3763 $1-e^{-s} =$.239 F_c 9.402 $(F_c Q)^2$ 65.383

$(1-e^{-s}) (F_c Q)^2 = R^2 =$ 15627 $P_1^2 =$ 220576 $P_2^2 =$ 242203

$Q = \frac{860}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{860}{1} = 860$

$D=Q \times \left[\frac{(P_2^2 - P_3^2)}{(P_2^2 - P_1^2)} \right]^n = \left[\frac{144907}{159753} \right]^n = \frac{(.9070)^n}{.9294} = 799$

REMARKS



SUMMARY

$P_c =$ 634
 $Q =$ 860
 $P_w =$ 492
 $P_d =$ 507
 $D =$ 799

Company EL PASO NATURAL GAS COMPANY
By H. L. Kendrick
Title for SENIOR GAS ENGINEER
Witnessed By
Company
