

Initial
Deliverability Test

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

FORM 5-100-4
EL PASO - 2-1-61

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON
& ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Blanco Formation Mesa Verde County Rio Arriba

Well Name McElvaine No. 1-X 70-185

Unit N S 27 T 30 R 7 Pay Zone 5550 To 6290 Flow String Tubing

Casing O D 5-1/2 Wt 15.5 Set at 5440 Tubing O D 2-3/8 Wt 4.7 L 6000 Top Perf.

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

Date Flow Press. Meas.

Period of test flow

SIP Measured

From 9-6-61 To 9-14-61 5-5-61

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 (j) Tubing 660 (k) (e) (f)

7 Day Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h) P_f 504 (i) Gravity .665

FRACTION NEGLIGIBLE

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

$(1 - e^{-s}) (F_c Q)^2 = R^2 = P_i^2 = P_w^2 =$

$Q = \frac{85}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 85$

$D = Q \times \left(\frac{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^N}{\frac{306700}{181504}} = \frac{1.7991}{1.5540} \right) = 132$

An intermittent was installed. Turned back on production 8-23-61

SUMMARY

$P_c = 660$ psia
 $Q = 85$ MCF/D
 $P_w = 504$ psia
 $P_d = 330$ psia
 $D = 132$ MCF/D

Company EL PASO NATURAL GAS COMPANY
By L. L. Kendrick
Title Mr. Gas Engineer
Witnessed By
Company



