

Initial Deliverability Test

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

FORM 122-A
EL PASO 2-1-61

(TO BE USED FOR FRIEDLAND, PICTURED CREEK, MESAVERDE, HACSA, FARMINGTON)

Pool Blanco Fracture Mesa Verde County Rio Arriba

Well Name Manning State No. 1-B 70-263

Unit M S 2 T 29 R 7 Pay Zone 4912 To 5644 Flow String Casing

Casing C D 5.500 Wt 15.5 Set at 4432 Tubing C D 2.875 Wt 6.5 L 5555 Top Perf.

Operator EL PASO NATURAL GAS COMPANY Flowing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. _____ Period of test flow _____ SIF Measured _____

From 5-5-63 To 5-13-63 3-1-63

Deadweight Flowing Pressure, psia _____ Flowing Pressure psia _____

Casing _____ (a) Tubing _____ (b) Meter _____ (c) Chart _____ (d)

Deadweight Shut-in Pressure, psia _____ Meter Error _____ Friction Loss _____

Casing 336 (j) Tubing --- (k) _____ (e) _____ (f)

7 Day Avg. Flowing Press, psia _____

Chart 526 (g) Corrected 526 (h) P_f 526 (i) Gravity .690

FRICITION NEGLIGIBLE

G. L. = _____ $(F_c Q)^2$ _____

$(1-e^{-R}) (F_c Q)^2 = R^2$ _____ $P_w^2 =$ Use P_f^2

$Q = \frac{17}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 17$

$D = Q \frac{17}{\left(\left[\frac{(F_c^2 - P_w^2)}{(F_c^2 - P_a^2)} \right] \frac{524172}{422220} \right)^N} \frac{1.2414}{1.1760} = 20$

INITIAL DELIVERABILITY

SUMMARY

P_c 836 psia
 Q 17 MCF/D
 P_w 526 psia
 P_d 418 psia
 D 20 MCF/D

Company _____
By H. L. Kendrick
Area Gas Well Test Engineer

OK

