

Initial
Deliverability Test

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

FORM C-122-A
(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 Messero Formation Mesa Verde County San Juan
Well Name Pritchard No. 2-1 70-127
Unit B S 34 T 31 R 9 Pay Zone L600 To 5272 Flow String Tubing
Casing O D 7.000 Wt 20 Set at 4477 Tubing O D 2.375 Wt 4.7 L 4535 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 2-19-63 To 2-27-63 5-29-62

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 928 (j) Tubing 883 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia _____
Chart 549 (g) Corrected 549 (h) P_i 549 (i) Gravity .660

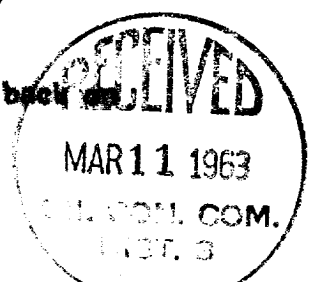
G. L. = 2993 $1-e^{-s}$ = .196 $(F_c Q)^2$ = 87.161

$(1-e^{-s})(F_c Q)^2 = R^2$ = 17084 P_i^2 = 301401 P_w^2 = 318485

$Q = \frac{993}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 993$

$D = Q \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{645868}{542699} \right) = \frac{1.1901}{1.1395} = 1132$

Perforated tubing with 1/4" holes at 4535, 4585, 4672, Turned back at
Production 1-25-63.



SUMMARY

P_c = 928 psia Company EL PASO NATURAL GAS COMPANY
 Q = 993 MCF/D By H. L. Kendrick
 P_w = 564 psia Title Sr. Gas Engineer
 P_d = 464 psia Witnessed By _____
 D = 1132 MCF/D Company _____

		$P_d = 50\% P_c$		

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