

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET — SAN JUAN BASINFORM 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 Basin Formation Dakota County San JuanWell Name Marathon No. 135 73-378Unit D S 23 T 26 R 2 Pay Zone 6432 To 6628 Flow String TubingCasing O D 5.500 Wt 15.5 Set at 6724 Tubing O D 2.375 Wt 4.7 L 651.3 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 12-16-62 To 12-21-62 9-6-62

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 2040 (j) Tubing 2040 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 490 (g) Corrected 490 (h) P_t 490 (i) Gravity .716G. L. = 4685 $1-e^{-s} =$.889 $(F_c Q)^2 =$ 131.790 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 38987 $P_i^2 =$ 240100 $P_w^2 =$ 278187

$$Q = \frac{1271}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{(c)}{(d)} \right] = \frac{1271}{1}$$

$$D = Q \frac{1271}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{3121200}{3883433} \right)^N = \frac{.8037}{.8188}} = 1036$$

SUMMARY

 $P_c =$ 2040 psia $Q =$ 1271 MCF/D $P_w =$ 5277 psia $P_d =$ 1020 psia $D =$ 1036 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Kumbaker
Sr. Gas Engineer



