

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)Initial
Deliverability Test.

Pool FULCHER KUTZ Lease HUERFANO No. 90
Formation PC Unit E S 35 T 27 R 10 Pay Zone 2370 to 2380 Cty. SJ
Casing - OD 5500 Wt. 1550 Set at 2470 Tubing - OD 1250 Wt. 0230 L 2124 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 072260 To 073060 S.I.P. Measured 040660 Prod. String O.D. 5.500

Deadweight Flowing Pressure, psia
Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 15.50

Flowing Pressure, psia
Chart _____ (d) Tubing 427 (k) Casing 427 (j) Length 2370

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
Chart 256 (g) Corrected 256 (h)

FRICTION CALCULATION

Grav. .634 $P_t =$ 256 (i) GL = 1503 $(1-e^{-s}) =$.104

$(F_c Q)^2 =$ 11 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 1 $P_t^2 =$ 65536 $P_w^2 =$ 65537

FLOW RATE CALCULATION

$Q =$ 84 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 84

DELIVERABILITY CALCULATION

$D = Q$ 84 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{1.1690}{1.1419} =$ 96

SUMMARY

 $P_c =$ 427 $Q =$ 84 $P_w =$ 256 $P_d =$ 214 $D =$ 96D at 250 or 500 82

Note:

250 = for P.C.

500 = for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

94 Company _____

