

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

70456 Pool BLANCO MV Lease HARDIE No. 5
 Formation MV Unit N 23 29 08 Pay Zone 4696 to 5377 Cty. SJ
 Casing - OD 7000 Wt. 2000 Set at 4765 Tubing - OD 2000 Wt. 0470 L 5351 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 112960 To 120760 S.I.P. Measured 032960 Prod. String 2.000
 O.D. 4.70
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 4.70
 Flowing Pressure, psia
 Chart (d) Tubing 693 Deadweight Shut-in Pressure, psia 710 Length 5351
 (k) (j)

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia 505
 Chart 505 (g) Corrected 505 (h)

FRICTION CALCULATION

Grav. .709 $P_t =$ 505 (i) GL = 3794 $(1-e^{-1}) =$.241

$(F_c Q)^2 =$ 4554 $(1-e^{-1}) (F_c Q)^2 = R^2 =$ 1098 $P_t^2 =$ 255025 $P_w^2 =$ 256123

FLOW RATE CALCULATION

$Q =$ 227 $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 1.0000 $=$ 227
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 227 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.6055 $=$ 1.4262 $=$ 324

Intermitter installed 11-15-60.

SUMMARY

$P_c =$ 693
227
 $Q =$ 506
 $P_w =$ 347
 $P_d =$ 324
 $D =$ 222

D at 250 or 500 222

Note:
 250# for P.C.
 500# for M.V.

Company EL PASO NATURAL GAS CO.
H. L. KENDRICK
 By GAS ENGINEER
 Title WITNESSED BY
 Company EL PASO NATURAL GAS CO.

