

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

74845 Pool BALLARD Lease CANYON LARGO No. 66
 Formation PC Unit D S 29 T 25 R 07 Pay Zone 2140 to 2228 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 2272 Tubing - OD 1250 Wt. 0240 L 2207 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow S.I.P. Measured Prod. String
 From 073059 To 080759 041659 O.D. 1.250

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 2.40

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart (d) Tubing 627 (k) Casing 627 (j) Length 2207

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 228 (g) Corrected 228 (h)

FRICTION CALCULATION

Grav. .706 $P_t =$ 228 (i) GL = 1558 $(1-e^{-s}) =$.107

$(F_c Q)^2 =$ 970 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 104 $P_t^2 =$ 51984 $P_w^2 =$ 52088

FLOW RATE CALCULATION

$Q =$ 40 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 40
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 40 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8633}{.8825} =$ 35

SUMMARY

 $P_c =$ 627 $Q =$ 40 $P_w =$ 228 $P_d =$ 314 $D =$ 35D at 250 or 500 38

Note:

250# for P.C.

500# for M.V.

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

