

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

72640 Pool BASIN Lease HUERFANO UNIT DK No. 116
 Formation DK Unit C S 11 T 26 R 10 Pay Zone 6840 to 6884 Cty. SJ
 Casing - OD 2875 Wt. 640 Set at 7029 Tubing - OD 1250 Wt. 0240 L 2427 (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 040761 To 041561 122060 O.D. 2.875

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 6.40

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart (d) Tubing (k) Casing 2013 (j) Length 6840

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .696 $P_t =$ 490 (i) $GL =$ 4761 $(1-e^{-s}) =$.293

$(F_c Q)^2 =$ 9321 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 2731 $P_t^2 =$ 240100 $P_w^2 =$ 242831

FLOW RATE CALCULATION

$Q =$ 550 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 550

DELIVERABILITY CALCULATION

$D = Q$ 550 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.7975 $=$.8439 $=$ 464

SUMMARY

$P_c =$ 2013
 $Q =$ 550
 $P_w =$ 493
 $P_d =$ 1007
 $D =$ 464

D at 250 or 500 548

Note:

250 = for P.C.
 500 = for M.V.

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