

Initial
Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

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

74206 Pool BALLARD PC Lease MC MANUS No. 7
 Formation PC Unit I S 31 T 26 R 08 Pay Zone 2027 to 2093 Cty. SJ
 Casing - OD 5500 Wt. 1400 Set at 2027 Tubing - OD 1000 Wt. 0168 L 1997 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test: Flow
 From 053060 To 060760 S.I.P. Measured 040660 Prod. String O.D. 5.500
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 14.00
 Flowing Pressure, psia
 Chart (d) Tubing 222 (k) Casing 385 (j) Length 2027
 Deadweight Shut-in Pressure, psia

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 215 (g) Corrected 215 (h)

FRICTION CALCULATION

Grav. .655 $P_i =$ 215 (i) $GL =$ 1328 $(1-e^{-s}) =$.092

$(F_c Q)^2 =$ 6 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 1 $P_i^2 =$ 46225 $P_w^2 =$ 46226

FLOW RATE CALCULATION

$Q =$ 73 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 73
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 73 X $\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0880 $=$ 1.0880 78

SUMMARY

 $P_c =$ 385 $Q =$ 73 $P_w =$ 215 $P_d =$ 193 $D =$ 78D at 250 or 500 59Company EL PASO NATURAL GAS CO.

Note:

250 # for P.C.

500 # for M.V.

By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

70

Company _____



