

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

72785 Pool SOUTH BLANCO Lease SAN JUAN 28 7 No. 120
 Formation PC Unit P 29 27 07 Pay Zone 2918 to 2960 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3027 Tubing - OD 1250 Wt. 0240 L 2941 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 123060 To 010761 S.I.P. Measured 101160 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 783 (k) Casing 783 (j) Length 2918
 Deadweight Shut-in Pressure, psia

Meter Error
0 (e)Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia

Chart 245 (g) Corrected 245 (h)

FRICTION CALCULATION

Grav. .616 $P_t =$ 245 (i) $GL =$ 1797 $(1-e^{-x}) =$.122

$(F_c Q)^2 =$ 1186 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 145 $P_t^2 =$ 60025 $P_w^2 =$ 60170

FLOW RATE CALCULATION

$Q =$ 866 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 866

DELIVERABILITY CALCULATION

$D = Q$ 866 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8306 $=$.8540 $=$ 740

SUMMARY

$P_c =$ 783
 $Q =$ 866
 $P_w =$ 245
 $P_d =$ 392
 $D =$ 740

D at 250 or 500

854

Note:

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

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

Witnessed By _____

Company _____

