

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

72389 Pool SOUTH BLANCO Lease BROOKHAVEN STATE P No. 7
 Formation PC Unit A S 02 T 27 R 08 Pay Zone 2686 to 2746 Cty. SJ
 Casing - OD 7625 Wt. 2640 Set at 2890 Tubing - OD 1250 Wt. 9240 L 2676 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 013059 To 020759 S.I.P. Measured 110358 Prod. String O.D. 1.250
 Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 2.40
 Flowing Pressure, psia
 Chart _____ (d) Tubing 875 (k) Casing 874 (j) Length 2676
 Deadweight Shut-in Pressure, psia
 Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 263 (g) Corrected 263 (h)

FRICTION CALCULATION

Grav. .644 $P_t =$ 263 (i) $GL =$ 1723 $(1-e^{-s}) =$.118
 $(F_c Q)^2 =$ 32342 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3816 $P_t^2 =$ 69149 $P_w^2 =$ 72985

FLOW RATE CALCULATION

$Q =$ 231 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{.0000}{.0000} =$ 231

DELIVERABILITY CALCULATION

$D = Q$ 231 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8283}{.8520} =$ 197

SUMMARY

$P_c =$ 875
 $Q =$ 231
 $P_w =$ 270
 $P_d =$ 438
 $D =$ 197

D at 250 or 500 231

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

Company EL PASO NATURAL GAS CO.
 By H. L. KENDRICK
 Title GAS ENGINEER
 Witnessed By _____
 Company _____

