

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

72749 Pool SOUTH BLANCO Lease SAN JUAN 28 6 No. 96
 Formation PC Unit M S 09 T 27 R 06 Pay Zone 3136 to 3182 Cty. RA
 Casing - OD 2875 Wt. 640 Set at 3237 Tubing - OD Wt. L (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 013061 To 020761 S.I.P. Measured 101160 Prod. String O.D. 2.875
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 6.40
 Flowing Pressure, psia
 Chart (d) Tubing (k) Casing 1113 (j) Length 3136
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 259 (g) Corrected 259 (h)

FRICTION CALCULATION

Grav. .708 $P_t =$ 259 (i) GL = 2220 $(1-e^{-s}) =$.149

$(F_c Q)^2 =$ 912 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 136 $P_t^2 =$ 67081 $P_w^2 =$ 67217

FLOW RATE CALCULATION

$Q =$ 172 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 172
 (integrated)

DELIVERABILITY CALCULATION

$D = Q$ 172 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.7924}{.8205} =$ 141

SUMMARY

$P_c =$ 1113
 $Q =$ 172
 $P_w =$ 259
 $P_d =$ 557
 $D =$ 141

D at 250 or 500 172

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

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