

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

72650 Pool SOUTH BLANCO Lease JICARILLA E No. 15
 Formation PC Unit 0 S 17 T 25 R 04 Pay Zone 3720 to 3740 Cty. RA
 Casing - OD 2875 Wt. 640 Set at 3785 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 S.I.P. Measured Prod. String
 From 083060 To 090760 070560 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 991 (j) Length 3720

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 221 (g) Corrected 221 (h)

FRICTION CALCULATION

Grav. .653 $P_t =$ 221 (i) $GL =$ 2429 $(1-e^{-s}) =$.162

$(F_c Q)^2 =$ 1423 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 231 $P_t^2 =$ 48841 $P_w^2 =$ 49072

FLOW RATE CALCULATION

$Q =$ 215 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 215

DELIVERABILITY CALCULATION

$D = Q$ 215 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.7889}{.8174} =$ 176

SUMMARY

$P_c =$ 991
 $Q =$ 215
 $P_w =$ 222
 $P_d =$ 496
 $D =$ 176

D at 250 or 500 211

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



