

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

72748 Pool SOUTH BLANCO Lease SAN JUAN 23 6 No. 95
Formation PC Unit M S 15 T 27 R 06 Pay Zone 3154 to 3213 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 120760 To 121560 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 Deadweight Shut-in Pressure, psia
Chart (d) Tubing (k) Casing 1114 (j) Length 3154

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

FRICTION CALCULATION

Grav. .668 $P_t =$ 221 (i) $GL =$ 2107 $(1-e^{-3}) =$.142

$(F_c Q)^2 =$ 2132 $(1-e^{-3})(F_c Q)^2 = R^2 =$ 303 $P_t^2 =$ 48841 $P_w^2 =$ 49144

FLOW RATE CALCULATION

$Q =$ 263 $\times \sqrt{\frac{(c)}{(d)}} \times \frac{1.0000}{1.0000} =$ 1.0000 $=$ 263

DELIVERABILITY CALCULATION

$D = Q$ 263 $\times \left(\frac{(P_c^2 - P_g^2)}{(P_c^2 - P_w^2)} \right)^{1/2} =$.7809 $=$.8104 $=$ 213

SUMMARY

$P_c =$ 1114
 $Q =$ 263
 $P_w =$ 222
 $P_d =$ 557
 $P_d =$ 213
 $D =$ 261

D at 250 or 500 259

Note:

250 = for P.C.
500 = for M.V.Company EL PASO NATURAL GAS CO.

H. L. KENDRICK

By

GAS ENGINEER

Title Witnessed By Company