

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

74964 Pool SOUTH BLANCO Lease JICARILLA D No. 5
 Formation PC Unit K S 29 T 25 R 04 Pay Zone 3126 to 3190 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3258 Tubing - OD 1250 Wt. 0240 L 3176 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 042160 To 042960 S.I.P. Measured 120269 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 958 (k) Casing 958 (j) Length 3176
 Deadweight Shut-in Pressure, psia
 Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 242 (g) Corrected 242 (h)

FRICTION CALCULATION

Grav. .686 $P_i =$ 242 (i) $GL =$ 2179 $(1-e^{-s}) =$.147

$(F_c Q)^2 =$ 11710 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 1721 $P_i^2 =$ 58564 $P_w^2 =$ 60285

FLOW RATE CALCULATION

$Q =$ 139 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 139

DELIVERABILITY CALCULATION

$D = Q$ 139 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8027 $=$.8296 $=$ 115

SUMMARY

$P_c =$ 958 D at 250 or 500 138 Company EL PASO NATURAL GAS CO.
 $Q =$ 139 Note: H. L. KENDRICK
 $P_w =$ 246 250 # for P.C. Title GAS ENGINEER
 $P_d =$ 479 500 # for M.V. Witnessed By
 $D =$ 115 139 Company



