

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

72395 Pool AZTEC Lease SCHULTZ STATE 36 No. 11
 Formation FRUIT Unit D S 36 T 29 R 11 Pay Zone 1625 to 1635 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 1971 Tubing - OD 1000 Wt. 0170 L 1642 (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 022759 To 030759 011659 O.D. 5.500

Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 15.50

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing 616 (k) Casing 616 (j) Length 1625

Meter Error Friction Loss 7 Day Avg. Flowing Pres., psia
0 (e) 0 (f) Chart 263 (g) Corrected 263 (h)

FRICTION CALCULATION

Grav. .659 $P_t =$ 263 (i) GL = 1071 $(1-e^{-s}) =$.075

$(F_c Q)^2 =$ 144 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 11 $P_t^2 =$ 69169 $P_w^2 =$ 69180

FLOW RATE CALCULATION

$Q =$ 335 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 335

DELIVERABILITY CALCULATION

$D = Q$ 335 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.9171 $=$.9290 $=$ 311

SUMMARY

 $P_c =$ 616 $Q =$ 335 $P_w =$ 263 $P_d =$ 308 $D =$ 311D at 250 or 500 335

Note:

250 $\neq$ for P.C.500 $\neq$ for M.V.Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

Company _____



