

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

72461 Pool OTERO Lease JICARILLA C No. 679
 Formation CHACRA Unit I S 29 T 25 R 05 Pay Zone 3486 to 3594 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3619 Tubing - OD 2000 Wt. 0470 L 3528 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 090759 To 091559 S.I.P. Measured 060959 Prod. String O.D. 2.000

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 4.70

Flowing Pressure, psia
 Chart (d) Tubing 913 (k) Deadweight Shut-in Pressure, psia Casing (j) Length 3528

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 238 (g) Corrected 238 (h)

FRICTION CALCULATION

Grav. .649 $P_t =$ 238 (i) GL = 2290 $(1-e^{-s}) =$.153

$(F_c Q)^2 =$ 29333 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 4488 $P_t^2 =$ 56644 $P_w^2 =$ 61132

FLOW RATE CALCULATION

$Q =$ 576 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = 576$

DELIVERABILITY CALCULATION

$D = Q$ 576 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = .8087 = .8527 = 491$

SUMMARY

$P_c =$ 913
 $Q =$ 576
 $P_w =$ 247
 $P_d =$ 457
 $D =$ 491

D at 250 or 500 457 Company EL PASO NATURAL GAS CO.

Note:

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

By H. L. KENDRICKTitle GAS ENGINEERWitnessed By 568 Company 

