

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

72651 Pool SOUTH BLANCO Lease JICARILLA E No. 16
 Formation PC Unit G S 17 T 25 R 04 Pay Zone 3854 to 3882 Cty. RA
 Casing - OD 2875 Wt. 640 Set at 3940 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 090760 To 091560 S.I.P. Measured 070560 Prod. String O.D. 2.875

Deadweight Flowing Pressure, psia Casing (a) Tubing (b) Meter (c) Wt. 6.40

Flowing Pressure, psia Chart (d) Deadweight Shut-in Pressure, psia Tubing (k) Casing 980 (j) Length 3854

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 497 (g) Corrected 497 (h)

FRICTION CALCULATION

Grav. .651 $P_t =$ 497 (i) $GL =$ 2509 $(1-e^{-s}) =$.167

$(F_c Q)^2 =$ 2381 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 398 $P_t^2 =$ 247009 $P_w^2 =$ 247407

FLOW RATE CALCULATION

$Q =$ 278 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 278

DELIVERABILITY CALCULATION

$D = Q$ 278 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{1.0096}{1.0096} =$ 280

SUMMARY

 $P_c =$ 980 $Q =$ 278 $P_w =$ 497 $P_d =$ 490 $D =$ 280D at 250 or 500 336

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEERWitnessed By Company 

