

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

72431 Pool BLANCO Lease SAN JUAN 27 S MV No. 46
 Formation MV Unit M S 07 T 27 R 05 Pay Zone 5475 to 5631 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3504 Tubing - OD 2000 Wt. 0470 L 5521 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 073059 To 080759 S.I.P. Measured 041059 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 1041 (k) Deadweight Shut-in Pressure, psia Casing _____ (j) Length 5521

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 504 (g) Corrected 504 (h)

FRICTION CALCULATION

Grav. .707 $P_t =$ 504 (i) $GL =$ 3903 $(1-e^{-s}) =$.247

$(F_c Q)^2 =$ 10956 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 2706 $P_t^2 =$ 254016 $P_w^2 =$ 256722

FLOW RATE CALCULATION

$Q =$ 352 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 352

DELIVERABILITY CALCULATION

$D = Q$ 352 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.9822 $=$.9866 347

SUMMARY

 $P_c =$ 1041 $Q =$ 352 $P_w =$ 507 $P_d =$ 521 $D =$ 347D at 250 or 500 349

Note:

250 # for P.C.

500 # for M.V.

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

Witnessed By _____

Company _____

