

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

72719 Pool BLANCO Lease SAN JUAN 30 5 14 No. 29
 Formation MV Unit G S 14 T 30 R 05 Pay Zone 5784 to 6010 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 6065 Tubing - OD 2000 Wt. 0470 L 5975 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 112160 To 112960 S.I.P. Measured 071560 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 1190 (k) Casing 1238 (j) Length 5975
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 483 (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .592 $P_t =$ 483 (i) GL = 3537 $(1-e^{-s}) =$.227

$(F_c Q)^2 =$ 155426 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 35282 $P_t^2 =$ 233289 $P_w^2 =$ 268571

FLOW RATE CALCULATION

$Q = \frac{1326}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = 1326$

DELIVERABILITY CALCULATION

$D = Q \frac{1326}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N} = \frac{.9255}{.9435} = 1251$

SUMMARY

$P_c =$ 1190
 $Q =$ 1326
 $P_w =$ 518
 $P_d =$ 595
 $D =$ 1251

D at 250 or 500 1302

Note:

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

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

Witnessed By _____

Company _____

