

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

86376 Pool BLANCO Lease SAN JUAN 29 6 4 No. 62
 Formation MV Unit A S 04 T 29 R 06 Pay Zone 5134 to 5606 Cty. RA
 Casing - OD 7000 Wt. 2300 Set at 7474 Tubing - OD 1250 Wt. 0240 L 5590 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 040760 To 041560 S.I.P. Measured 092369 Prod. String O.D. 7.000

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 23.00

Flowing Pressure, psia, Deadweight Shut-in Pressure, psia
 Chart (d) Tubing 957 (k) Casing 957 (j) Length 5134

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 497 (g) Corrected 497 (h)

FRICTION CALCULATION

Grav. .671 $P_t =$ 497 (i) GL = 3445 $(1-e^{-s}) =$.222

$(F_c Q)^2 =$ 503 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 112 $P_t^2 =$ 247009 $P_w^2 =$ 247121

FLOW RATE CALCULATION

$Q =$ 1205 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 1205

DELIVERABILITY CALCULATION

$D = Q$ 1205 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.0262}{1.0195} =$ 1228

SUMMARY

$P_c =$ 957

$Q =$ 1205

$P_w =$ 497

$P_d =$ 479

$D =$ 1228

D at 250 or 500 1184

Note:

250 = for P.C.

500 = for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

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