

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

72390 Pool BLANCO Lease BROOKHAVEN STATE M No. 7
 Formation MV Unit A S 02 T 27 R 08 Pay Zone 4900 to 5102 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 5178 Tubing - OD 2800 Wt. 0470 L 4995 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 013059 To 020759 S.I.P. Measured 102758 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 1029 (k) Casing _____ (j) Length 4995
 Deadweight Shut-in Pressure, psia

Meter Error

0

(e)

Friction Loss

0

(f)

7 Day Avg. Flowing Pres., psia

540

Chart

(g) Corrected

540

(h)

FRICTION CALCULATION

Grav. 1.689 $P_t =$ 540 (i) $GL =$ 3442 $(1-e^{-s}) =$.221

$(F_c Q)^2 =$ 4356 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 963 $P_t^2 =$ 291600 $P_w^2 =$ 292563

FLOW RATE CALCULATION

$Q =$ 222 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{.0000}{.0000} =$ 222

DELIVERABILITY CALCULATION

$D = Q$ 222 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N = \frac{1.0356}{1.0265} =$ 228

SUMMARY

$P_c =$ 1029
 $Q =$ 222
 $P_w =$ 541
 $P_d =$ 515
 $D =$ 228

D at 250 or 500 228

Note:

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

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

Witnessed By _____

Company _____

