

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

72664 Pool BLANCO Lease SAN JUAN 28 5 MV No. 41

Formation MV Unit A S 32 T 28 R 05 Pay Zone 5536 to 5550 Cty. RA

Casing - OD 9625 Wt. 3600 Set at 3592 Tubing - OD 2000 Wt. 0470 L 5629 (T. Perf.)

Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow From 092960 To 100760 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) Deadweight Shut-in Pressure, psia Tubing 1058 (k) Casing 1058 (j) Length 5629

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 511 (g) Corrected 511 (h)

FRICTION CALCULATION

Grav. .698 $P_t =$ 511 (i) GL = 3929 $(1-e^{-x}) =$.249 $(F_c Q)^2 =$ 127509 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 31750 $P_t^2 =$ 261121 $P_w^2 =$ 292071

FLOW RATE CALCULATION

 $Q = \frac{1201}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = 1201$

DELIVERABILITY CALCULATION

 $D = Q \frac{1201}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N} = \frac{1.0157}{1.0117} = 1215$

SUMMARY

$P_c =$ 1058
 $Q =$ 1201
 $P_w =$ 541
 $P_d =$ 529
 $D =$ 1215

D at 250 or 500 1200Note:
250# for P.C.
500# for M.V.Company EL PASO NATURAL GAS CO.H. L. KENDRICKBy GAS ENGINEER

Witnessed By _____

Company _____



