

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

70681 Pool BLANCO MV Lease 29 7 MARSHALL No. 6
 Formation MV Unit L S 29 T 29 R 07 Pay Zone 4667 to 5389 Cty. RA
 Casing - OD 7000 Wt. 2000 Set at 4625 Tubing - OD 2000 Wt. 0470 L 5300 (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 032960 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 790 (k) Casing 842 (j) Length 5300
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 497 (g) Corrected 497 (h)

FRICTION CALCULATION

Grav. .710 $P_t =$ 497 (i) GL = 3763 $(1-e^{-x}) =$.239

$(F_c Q)^2 =$ 3501 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 837 $P_t^2 =$ 247009 $P_w^2 =$ 247846

FLOW RATE CALCULATION

$Q =$ 199 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 199

DELIVERABILITY CALCULATION

$D = Q$ 199 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.2440 $=$ 1.1779 $=$ 234

Intermitter installed 11-8-60.

SUMMARY

 $P_c =$ 790 $Q =$ 199 $P_w =$ 498 $P_d =$ 395 $D =$ 234D at 250 or 500 193

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.By M. L. KENDRICKTitle GAS ENGINEERWitnessed By Company 

