

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

72553 Pool BLANCO Lease DAY B No. 5
 Formation MV Unit A S 07 T 27 R 08 Pay Zone 4550 to 4688 Cty. SJ
 Casing - OD 7625 Wt. 2640 Set at 4790 Tubing - OD 2000 Wt. 0470 L 4642 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From <u>040760</u>	To <u>041560</u>	<u>010540</u>	O.D. <u>2.000</u>
Deadweight Flowing Pressure, psia			
Casing <u> </u> (a)	Tubing <u> </u> (b)	Meter <u> </u> (c)	Wt. <u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart <u> </u> (d)	Tubing <u>1039</u> (k)	Casing <u>1039</u> (j)	Length <u>4642</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h)

FRICTION CALCULATION

Grav. .713 $P_t =$ 504 (i) $GL =$ 3310 $(1-e^{-s}) =$.214

$(F_c Q)^2 =$ 198895 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 42564 $P_t^2 =$ 254016 $P_w^2 =$ 296580

FLOW RATE CALCULATION

$Q =$ 1500 $\times \sqrt{\frac{(c)}{(d)}} =$ 1.0000 $=$ 1500

DELIVERABILITY CALCULATION

$D = Q$ 1500 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0334 $=$ 1.0334 $=$ 1537

SUMMARY

 $P_c =$ 1039D at 250 or 500 1489Company EL PASO NATURAL GAS CO. $Q =$ 1500

Note:

By H. L. KENDRICK $P_w =$ 545

250 # for P.C.

Title GAS ENGINEER

500 # for M.V.

 $P_d =$ 520Witnessed By $D =$ 15371490Company 