

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

86384 Pool BLANCO Lease SAN JUAN 27 4 MV No. 23
 Formation MV Unit M S 19 T 27 R 04 Pay Zone 5654 to 5800 Cty. RA
 Casing - OD 3500 Wt. 1550 Set at 5915 Tubing - OD 2000 Wt. 0470 L 5680 (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>042960</u>	To <u>050760</u>	<u>113069</u> <u>113059</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>1109</u> (k)	Casing <u>908</u> (j)	Length <u>5680</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 483 (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .677 $P_t =$ 483 (i) $GL =$ 3845 $(1-e^{-s}) =$.244

$(F_c Q)^2 =$ 8168 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 1993 $P_t^2 =$ 233289 $P_w^2 =$ 235282

FLOW RATE CALCULATION

$Q =$ 304 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 304

DELIVERABILITY CALCULATION

$D = Q$ 304 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9268 $=$.9445 $=$ 287

SUMMARY

 $P_c =$ 1109 $Q =$ 304 $P_w =$ 485 $P_d =$ 555 $D =$ 287

D at 250 or 500

297Company EL PASO NATURAL GAS CO.

Note:

250 # for P.C.

500 # for M.V.

By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

Company _____



