

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

72217 Pool BLANCO Lease SJU 29 7 No. 64
 Formation MV Unit H S 11 T 29 R 07 Pay Zone 4960 to 5480 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 5620 Tubing - OD 2000 Wt. 0470 L 5450 (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>033060</u>	To <u>040760</u> <u>022259</u>	O.D. <u>2.000</u>
Deadweight Flowing Pressure, psia			
Casing	<u>(a)</u>	Tubing <u>(b)</u> Meter <u>(c)</u>	Wt. <u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	<u>(d)</u>	Tubing <u>756</u> (k) Casing <u>766</u> (j)	Length <u>5450</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0</u> (e)	<u>0</u> (f)	Chart <u>533</u> (g) Corrected <u>533</u> (h)

FRICTION CALCULATION

Grav. .690 $P_t =$ 533 (i) GL = 3761 $(1-e^{-s}) =$.239

$(F_c Q)^2 =$ 58998 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 14101 $P_t^2 =$ 284089 $P_w^2 =$ 298190

FLOW RATE CALCULATION

$Q =$ 817 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 817

DELIVERABILITY CALCULATION

$D = Q$ 817 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^{\frac{1}{N}} = \frac{1.5681}{1.4012} =$ 1145

SUMMARY

 $P_c =$ 756 $Q =$ 817 $P_w =$ 546 $P_d =$ 378 $D =$ 1145D at 250 or 500 863

Note:

250 # for P.C.

500 # for M.V.

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

Witnessed By _____

Company _____

