

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERIDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)Initial
Deliverability Test

74883 Pool BALLARD Lease CANYON LARGO No. 78
 Formation PC Unit E S 15 T 25 R 07 Pay Zone 2618 to 2696 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 2720 Tubing - OD 1250 Wt. 0240 L 2652 (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>102259</u>	To	<u>103059</u>	S.I.P. Measured	<u>083159</u>	O.D.	<u>1.250</u>	
Deadweight Flowing Pressure, psia				Wt.				<u>2.40</u>
Casing	<u> </u> (a)	Tubing	<u> </u> (b)	Meter	<u> </u> (c)			
Flowing Pressure, psia				Deadweight Shut-in Pressure, psia				
Chart	<u> </u> (d)	Tubing	<u>554</u> (k)	Casing	<u>587</u> (j)	Length	<u>2652</u>	

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 215 (g) Corrected 215 (h)

FRICTION CALCULATION

Grav. .659 $P_t =$ 215 (i) $GL =$ 1748 $(1-e^{-s}) =$.119

$(F_c Q)^2 =$ 47859 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 5695 $P_t^2 =$ 46225 $P_w^2 =$ 51920

FLOW RATE CALCULATION

$Q =$ 281 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 281

DELIVERABILITY CALCULATION

$D = Q$ 281 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9027 $=$.9166 258

SUMMARY

 $P_c =$ 554D at 250 or 500 260Company EL PASO NATURAL GAS CO. $Q =$ 281

Note:

By H. L. KENDRICK $P_w =$ 228

250 # for P.C.

Title GAS ENGINEER

500 # for M.V.

 $P_d =$ 277Witnessed By $D =$ 258272Company 

