

Initial
Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)

74967 Pool BALLARD Lease CANYON LARGO No. 87
 Formation PC Unit G S 01 T 24 R 06 Pay Zone 2434 to 2464 Cty. RA
 Casing - OD 5500 Wt. 1530 Set at 2504 Tubing - OD 1250 Wt. 0240 L 2433 (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>050760</u>	To <u>051560</u>	O.D. <u>1.250</u>
		<u>120169</u> <u>120159</u>	
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing (b) Meter (c)	Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	(d)	Tubing <u>649</u> (k) Casing <u>644</u> (j)	Length <u>2433</u>

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 242 (g) Corrected 242 (h)

FRICTION CALCULATION

Grav. .688 $P_t =$ 242 (i) GL = 1674 $(1-e^{-s}) =$.115

$(F_c Q)^2 =$ 29877 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3436 $P_t^2 =$ 58564 $P_w^2 =$ 62000

FLOW RATE CALCULATION

$Q =$ 222 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} =$ 222

DELIVERABILITY CALCULATION

$D = Q$ 222 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8785 $=$.8957 $=$ 199

SUMMARY

$P_c =$ 649

$Q =$ 222

$P_w =$ 249

$P_d =$ 325

$D =$ 199

D at 250 or 500 217

Note:

250 = for P.C.

500 = for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

226 Company _____



