

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

86383 Pool TAPACITO Lease SAN JUAN 27 4 PC No. 23
 Formation PC Unit M S 19 T 27 R 04 Pay Zone 3540 to 3570 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3670 Tubing - OD 1250 Wt. 0240 L 3448 (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>121069</u> <u>121059</u>	O.D. <u>1.250</u>
Deadweight Flowing Pressure, psia			
Casing <u> </u> (a)	Tubing <u> </u> (b)	Meter <u> </u> (c)	Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart <u> </u> (d)	Tubing <u>974</u> (k)	Casing <u>977</u> (j)	Length <u>3448</u>

 Meter Error
0 (e)

 Friction Loss
0 (f)

 7 Day Avg. Flowing Pres., psia
 Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

 Grav. .717 $P_t =$ 490 (i) $GL =$ 2472 $(1-e^{-s}) =$.165
 $(F_c Q)^2 =$ 12924 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 2132 $P_t^2 =$ 240100 $P_w^2 =$ 242232

FLOW RATE CALCULATION

 $Q =$ 146 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} =$ 1.0000 $=$ 146

DELIVERABILITY CALCULATION

 $D = Q$ 146 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$ 1.0071 $=$ 1.0060 $=$ 147

SUMMARY

 $P_c =$ 974 $Q =$ 146 $P_w =$ 492 $P_d =$ 487 $D =$ 147D at 250 or 500 176
 Note:
 250# for P.C.
 500# for M.V.
Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEERWitnessed By Company 

