

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)

72718 Pool BLANCO Lease SAN JUAN 30 5 27 No. 31
Formation MV Unit L S 27 T 30 R 05 Pay Zone 5584 to 5832 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 5882 Tubing - OD 2000 Wt. 0470 L 5806 (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>112160</u>	To <u>112960</u>	<u>060260</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>980</u> (k)	Casing <u>1185</u> (j)	Length <u>5806</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0</u> (e)	<u>0</u> (f)	Chart <u>483</u> (g) Corrected <u>483</u> (h)

FRICTION CALCULATION

Grav. .615 $P_i =$ 483 (i) $GL =$ 3571 $(1-e^{-s}) =$.229
 $(F_c Q)^2 =$ 13104 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3001 $p_c^2 =$ 233289 $p_w^2 =$ 236290

FLOW RATE CALCULATION

$Q = \frac{385}{\text{Integrated}} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = 385$

DELIVERABILITY CALCULATION

$D = Q \frac{385}{\left(\frac{(P_c^2 - P_a^2)}{(P_c^2 - P_w^2)} \right)^{.9947}} = \frac{.9960}{.9960} = 383$

SUMMARY

$P_c =$ <u>980</u>	D at 250 or 500 <u>373</u>	Company <u>EL PASO NATURAL GAS CO.</u>
$Q =$ <u>385</u>	Note: 250 = for P.C. 500 = for M.V.	By <u>H. L. KENDRICK</u>
$P_w =$ <u>486</u>		Title <u>GAS ENGINEER</u>
$P_a =$ <u>490</u>		Witnessed By <u> </u>
$D =$ <u>383</u>	374	Company <u> </u>