

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

74868 Pool SOUTH BLANCO Lease JICARILLA P No. 679
Formation PC Unit I S 29 T 25 R 05 Pay Zone 2622 to 2650 Cty. RA
Casing - OD 7625 Wt. 2640 Set at 3619 Tubing - OD 1250 Wt. 0240 L 2642 (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>090759</u>	To	<u>091559</u>
			<u>061959</u>
			O.D. <u>1.250</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>824</u> (k)
		Casing	<u>824</u> (j)
			Length <u>2642</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0</u> (e)	<u>0</u> (f)	Chart <u>231</u> (g) Corrected <u>231</u> (h)

FRICTION CALCULATION

Grav. .688 $P_t =$ 231 (i) $GL =$ 1818 $(1-e^{-s}) =$.124

$(F_c Q)^2 =$ 306425 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 37997 $P_t^2 =$ 53361 $P_w^2 =$ 91358

FLOW RATE CALCULATION

$Q =$ 711 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 711

DELIVERABILITY CALCULATION

$D = Q$ 711 $\times \left(\frac{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]} \right)^N = \frac{.8666}{.8854} =$ 630

SUMMARY

$P_c =$ 824 D at 250 or 500 696 Company EL PASO NATURAL GAS CO.
 $Q =$ 711 Note: 250# for P.C. 500# for M.V. By H. L. KENDRICK
 $P_w =$ 302 Title GAS ENGINEER
 $P_d =$ 412 Witnessed By _____
 $D =$ 630 696 Company _____



