

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)

74766 Pool SOUTH BLANCO Lease JICARILLA J No. 16
 Formation PC Unit A S 17 T 26 R 05 Pay Zone 3132 to 3190 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3247 Tubing - OD 1250 Wt. 0240 L 3151 (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>013059</u>	To	<u>020759</u>
			<u>111058</u>
			O.D. <u>1.250</u>
Deadweight Flowing Pressure, psia			
Casing	<u>(a)</u>	Tubing	<u>(b)</u>
		Meter	<u>(c)</u>
			Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	<u>(d)</u>	Tubing	<u>1035 (k)</u>
		Casing	<u>1035 (j)</u>
			Length <u>3151</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 249 (g) Corrected 249 (h)

FRICTION CALCULATION

Grav. .700 $P_i =$ 249 (i) $GL =$ 2206 $(1-e^{-s}) =$.140

$(F_c Q)^2 =$ 76825 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 11370 $P_i^2 =$ 62001* $P_w^2 =$ 73371

FLOW RATE CALCULATION

$Q =$ 356 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 356

DELIVERABILITY CALCULATION

$D = Q$ 356 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8046 $=$ 296

SUMMARY

$P_c =$ 1035 D at 250 or 500 354 Company EL PASO NATURAL GAS CO.
 $Q =$ 356 Note: 250# for P.C. By H. L. KENDRICK
 $P_w =$ 271 500# for M.V. Title GAS ENGINEER
 $P_d =$ 518 Witnessed By _____
 $D =$ 296 Company _____



