

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)

74869 Pool SOUTH BLANCO Lease JICARILLA P No. 67-6
 Formation PC Unit H S 19 T 25 R 05 Pay Zone 2572 to 2606 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3598 Tubing - OD 1250 Wt. 0240 L 2557 (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>071559</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>822</u> (k)	Casing <u>822</u> (j)
			Length <u>2557</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

 Grav. .676 $P_t =$ 235 (i) $GL =$ 1729 $(1-e^{-1}) =$.118
 $(F_c Q)^2 =$ 26481 $(1-e^{-1})(F_c Q)^2 = R^2 =$ 3125 $P_t^2 =$ 55225 $P_w^2 =$ 58350

FLOW RATE CALCULATION

 $Q =$ 209 $\times$ $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 209

DELIVERABILITY CALCULATION

 $D = Q$ 209 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8208 $=$.8454 $=$ 177

SUMMARY

 $P_c =$ 822 $Q =$ 209 $P_w =$ 242 $P_d =$ 411 $D =$ 177D at 250 or 500 205 Company EL PASO NATURAL GAS CO.

Note:

250# for P.C.

500# for M.V.

By H. L. KENDRICKTitle GAS ENGINEERWitnessed By 205 Company 

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