

NEW MEXICO OIL CONSERVATION COMMISSION

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

72625 Pool SOUTH BLANCO Lease SENGES POOL UNIT No. 1
 Formation PC Unit P S 02 T 27 R 00 Pay Zone 2982 to 3026 Cty. SJ
 Casing - OD 2875 Wt. 640 Set at 3116 Tubing - OD Wt. L (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>070760</u>	To <u>071560</u>	<u>062160</u>
			O.D. <u>2.875</u>
Deadweight Flowing Pressure, psia			
Casing	<u> </u> (a)	Tubing <u> </u> (b)	Meter <u> </u> (c)
			Wt. <u>6.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	<u> </u> (d)	Tubing <u> </u> (k)	Casing <u>724</u> (j)
			Length <u>2982</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 221 (g) Corrected 221 (h)

FRICTION CALCULATION

 Grav. .707 $P_t =$ 221 (i) $GL =$ 2108 $(1-e^{-1}) =$.142
 $(F_c Q)^2 =$ 71 $(1-e^{-1}) (F_c Q)^2 = R^2 =$ 10 $P_t^2 =$ 48841 $P_w^2 =$ 48851

FLOW RATE CALCULATION

 $Q =$ 48 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 48

DELIVERABILITY CALCULATION

 $D = Q$ 48 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8270 $=$.8509 $=$ 41

SUMMARY

 $P_c =$ 724 $Q =$ 48 $P_w =$ 221 $P_d =$ 362 $D =$ 41D at 250 or 500 46

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEERWitnessed By Company 