

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

14959 Pool SOUTH BLANCO Lease KLEIN No. 9
Formation PC Unit P S 35 T 26 R 06 Pay Zone 2536 to 2576 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 2627 Tubing - OD 1250 Wt. 0240 L 2530 (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>042160</u>	To <u>042960</u>	<u>122369</u> ⁵⁹
Deadweight Flowing Pressure, psia			O.D. <u>1.250</u>
Casing	(a)	Tubing (b) Meter (c)	Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	Length <u>2530</u>
Chart	(d)	Tubing <u>695</u> (k) Casing <u>888</u> (j)	

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 235 (g) Corrected 235 (h)

FRICTION CALCULATION

Grav. .671 $P_i =$ 235 (i) $GL =$ 1698 $(1-e^{-s}) =$.116 $(F_c Q)^2 =$ 42250 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 4901 $P_i^2 =$ 55225 $P_w^2 =$ 60126

FLOW RATE CALCULATION

 $Q =$ 264 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 264

DELIVERABILITY CALCULATION

 $D = Q$ 264 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8558 $=$.8760 $=$ 231

SUMMARY

 $P_c =$ 695 $Q =$ 264 $P_w =$ 245 $P_d =$ 348 $D =$ 231D at 250 or 500 257

Note:

250# for P.C.

500# for M.V.

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

Witnessed By _____

Company _____



