

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

72836 Pool SOUTH BLANCO Lease SAN JUAN 27 S PC No. 54
Formation PC Unit L S 31 T 27 R 05 Pay Zone 3160 to 3256 Cty. RA
Casing - OD 7625 Wt. 2640 Set at 3369 Tubing - OD 1250 Wt. 0240 L 3199 (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>032161</u>	To	<u>032961</u>
		<u>122760</u>	O.D. <u>7.625</u>
Deadweight Flowing Pressure, psia			
Casing	<u> </u> (a)	Tubing	<u> </u> (b)
		Meter	<u> </u> (c)
			Wt. <u>26.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	<u> </u> (d)	Tubing	<u>1051</u> (k)
		Casing	<u>1048</u> (j)
			Length <u>3160</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0</u> (e)	<u>0</u> (f)	Chart <u>270</u> (g) Corrected <u>270</u> (h)

FRICTION CALCULATION

Grav. .676 $P_t =$ 270 (i) $GL =$ 2136 $(1-e^{-s}) =$.144

$(F_c Q)^2 =$ 51 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 7 $P_t^2 =$ 72900 $P_w^2 =$ 72907

FLOW RATE CALCULATION

$Q =$ 432 $\times \sqrt{\frac{(c)}{(d)}} =$ 1.0000 $=$ 1.0000 $=$ 432

DELIVERABILITY CALCULATION

$D = Q$ 432 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8033 $=$.8301 $=$ 359

SUMMARY

$P_c =$ 1048
 $Q =$ 432
 $P_w =$ 270
 $P_d =$ 524
 $D =$ 359

D at 250 or 500 433

Note:
250 = for P.C.
500 = for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By

Company

438

RECEIVED
MAY 1 1961