

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

74885 Pool SOUTH BLANCO Lease HUERFANITO 23 No. 59
Formation PC Unit E S 23 T 27 R 09 Pay Zone 2090 to 2114 Cty. SJ
Casing - OD 5500 Wt. 1550 Set at 2196 Tubing - OD 1250 Wt. 0240 L 2102 (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>103059</u>	To <u>110759</u>	<u>072259</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>665</u> (k)	Casing <u>665</u> (j)	Length <u>2102</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 221 (g) Corrected 221 (h)

FRICITION CALCULATION

Grav. .654 $P_t =$ 221 (i) GL = 1375 $(1-e^{-1}) =$.095

$(F_c Q)^2 =$ 12048 $(1-e^{-1}) (F_c Q)^2 = R^2 =$ 1145 $P_t^2 =$ 48841 $P_w^2 =$ 49986

FLOW RATE CALCULATION

$Q =$ 141 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 141

DELIVERABILITY CALCULATION

$D = Q$ 141 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.8447 $=$.8663 $=$ 122

SUMMARY

$P_c =$ 665

$Q =$ 141

$P_w =$ 224

$P_d =$ 333

$D =$ 122

D at 250 or 500 135

Note:

250 # for P.C.

500 # for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By

135

Company



