

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

72655 Pool SOUTH BLANCO Lease JICARILLA D No. 7
Formation PC Unit I S 32 T 25 R 04 Pay Zone 2960 to 3010 Cty. RA
Casing - OD 2875 Wt. 640 Set at 3055 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>090760</u>	To <u>091560</u>	<u>072660</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>952</u> (j)	Length <u>2960</u>
Meter Error <u>0</u> (e)		Friction Loss <u>0</u> (f)	7 Day Avg. Flowing Pres., psia <u>218</u> (g) Corrected <u>218</u> (h)

FRICTION CALCULATION

Grav. .709 $P_i =$ 218 (i) $GL =$ 2099 $(1-e^{-s}) =$.142

$(F_c Q)^2 =$ 656 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 93 $P_t^2 =$ 47524 $P_w^2 =$ 47617

FLOW RATE CALCULATION

$Q =$ 146 $\times \sqrt{\frac{(c)}{(d)}} \times \frac{1.0000}{1.0000} =$ 146

DELIVERABILITY CALCULATION

$D = Q$ 146 $\times \left(\frac{[P_c^2 - P_d^2]}{[P_c^2 - P_w^2]} \right)^N =$.7915 $=$.8197 $=$ 120

SUMMARY

$P_c =$ 952
 $Q =$ 146
 $P_w =$ 218
 $P_d =$ 476
 $D =$ 120

D at 250 or 500 143

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



