

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

72531 Pool MESA VERDE Lease SAN JUAN 27 S 12 MV No. 39
Formation MV Unit N S 12 T 27 R 05 Pay Zone 5582 to 6088 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 6200 Tubing - OD 2000 Wt. 8240 L 5951 (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	To		O.D.
<u>052260</u>	<u>053060</u>	<u>082469</u>	<u>2.000</u>
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing	(b) Meter
			(c) Wt.
			<u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	(d)	Tubing	(k)
		Casing	(j)
			Length
			<u>5951</u>

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
Chart 555 (g) Corrected 555 (h)

FRICITION CALCULATION

Grav. .695 $P_t =$ 555 (i) GL = 4136 $(1-e^{-s}) =$.260

$(F_c Q)^2 =$ 1708 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 444 $P_t^2 =$ 308025 $P_w^2 =$ 308469

FLOW RATE CALCULATION

$Q =$ 139 $\times \sqrt{\frac{(c)}{(d)}} =$ 1.0000 $=$ 1.0000 $=$ 139

DELIVERABILITY CALCULATION

$D = Q$ 139 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9736 $=$.9801 $=$ 136

SUMMARY

$P_c =$ 1158
 $Q =$ 139
 $P_w =$ 555
 $P_d =$ 579
 $D =$ 136

D at 250 or 500 144

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 144

