

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

74890 Pool SOUTH BLANCO Lease SAN JUAN 28 6 No. 91
 Formation PC Unit F S 14 T 27 R 06 Pay Zone 3202 to 3260 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3292 Tubing - OD 1250 Wt. 0240 L 3145 (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>090359</u>
			O.D. <u>1.250</u>
Deadweight Flowing Pressure, psia			
Casing	<u>(a)</u>	Tubing	<u>(b)</u>
		Meter	<u>(c)</u>
			Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	<u>(d)</u>	Tubing	<u>1083 (k)</u>
		Casing	<u>1086 (j)</u>
			Length <u>3145</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 208 (g) Corrected 208 (h)

FRICTION CALCULATION

Grav. .680 $P_t =$ 208 (i) $GL =$ 2139 $(1-e^{-s}) =$.144

$(F_c Q)^2 =$ 21884 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 3151 $P_t^2 =$ 43264 $P_w^2 =$ 46415

FLOW RATE CALCULATION

$Q =$ 190 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} =$ 190

DELIVERABILITY CALCULATION

$D = Q$ 190 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.7804}{.8099} =$.8099 $=$ 154

SUMMARY

 $P_c =$ 1083 $Q =$ 190 $P_w =$ 215 $P_d =$ 542 $D =$ 154 D at 250 or 500 186

Note:

250# for P.C.

500# for M.V.

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

Witnessed By _____

Company _____

