

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 Test72816 Pool BLANCO Lease FLORANCE POOL UNIT No. 1Formation MV Unit K S 18 T 27 R 08 Pay Zone 4556 to 6666 Cty. SJCasing - OD 4000 Wt. 1134 Set at 4759 Tubing - OD 1250 Wt. 0240 L 4609 (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>020661</u>	To <u>021461</u>	<u>112860</u>
			O.D. <u>1.250</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 <u>1059</u> (k)	Casing <u>1059</u> (j)
			Length <u>4609</u>

Meter Error
0 (e)Friction Loss
0 (f)7 Day Avg. Flowing Pres., psia
Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .692 $P_t =$ 490 (i) $GL =$ 3189 $(1-e^{-3}) =$.207 $(F_c Q)^2 =$ 656846 $(1-e^{-3})(F_c Q)^2 = R^2 =$ 135967 $P_t^2 =$ 240100 $P_w^2 =$ 376067

FLOW RATE CALCULATION

 $Q =$ 1041 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 1041

DELIVERABILITY CALCULATION

 $D = Q$ 1041 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.1276}{1.0942} =$ 1139

SUMMARY

 $P_c =$ 1059 $Q =$ 1041 $P_w =$ 613 $P_d =$ 530 $D =$ 1139D at 250 or 500 1021

Note:

250 $\neq$ for P.C.
500 $\neq$ for M.V.Company EL PASO NATURAL GAS CO.By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

1021

Company _____



