

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

72432 Pool BLANCO Lease SAN JUAN 28 5 No. 38
 Formation MV Unit M S 32 T 28 R 05 Pay Zone 5216 to 5690 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 3610 Tubing - OD 2000 Wt. 0470 L 5633 (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>073059</u>	To <u>080759</u>	<u>042259</u>
			O.D. <u>2.000</u>
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing	(b) Meter (c)
			Wt. <u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	(d)	Tubing	(k) Casing (j)
			Length <u>5633</u>

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
 Chart 504 (g) Corrected 504 (h)

FRICTION CALCULATION

Grav. .691 $P_t =$ 504 (i) GL = 3892 $(1-e^{-x}) =$.246

$(F_c Q)^2 =$ 198641 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 48864 $P_t^2 =$ 254016 $P_w^2 =$ 302882

FLOW RATE CALCULATION

$Q =$ 1499 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 1499

DELIVERABILITY CALCULATION

$D = Q$ 1499 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$ 1.0341 $=$ 1.0254 $=$ 1537
1538

SUMMARY

 $P_c =$ 1049 $Q =$ 1499 $P_w =$ 550 $P_d =$ 525 $D =$ 1537
1538D at 250 or 500 1488

Note:

250# for P.C.

500# for M.V.

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

Witnessed By _____

Company _____



