

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

72444 Pool BLANCO Lease SAN JUAN 28 5 No. 37
 Formation MV Unit L S 24 T 28 R 05 Pay Zone 6394 to 6570 Cty. RA
 Casing - OD 7625 Wt. 2640 Set at 4439 Tubing - OD 2000 Wt. 0470 L 6522 (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>081559</u>	To <u>082259</u>	<u>060259</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 <u>1093</u> (k)	Casing <u>1093</u> (j)
			Length <u>6522</u>

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

FRICTION CALCULATION

Grav. .673 $P_t =$ 504 (i) GL = 4389 $(1-e^{-1}) =$.273

$(F_c Q)^2 =$ 14070 $(1-e^{-1})(F_c Q)^2 = R^2 =$ 3841 $P_t^2 =$ 254016 $P_w^2 =$ 257857

FLOW RATE CALCULATION

$Q =$ 399 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 399

DELIVERABILITY CALCULATION

$D = Q$ 399 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9558 $=$.9666 $=$ 386

SUMMARY

 $P_c =$ 1093 $Q =$ 399 $P_w =$ 508 $P_d =$ 547 $D =$ 386D at 250 or 500 396

Note:

250# for P.C.

500# for M.V.

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

Witnessed By _____

Company _____



