

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

72418 Pool UNDESIGNATED Lease SJU 28 7 DK No. 98
Formation DK Unit G S 29 T 27 R 07 Pay Zone 7268 to 7430 Cty. RA
Casing - OD 7000 Wt. 2300 Set at 7534 Tubing - OD 2000 Wt. 0470 L 7375 (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>050759</u>	To <u>051559</u>	<u>031159</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>1824</u> (k)	Casing (j)
			Length <u>7375</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0</u> (e)	<u>0</u> (f)	Chart <u>511</u> (g) Corrected <u>511</u> (h)

FRICTION CALCULATION

Grav. .704 $P_t =$ 511 (i) $GL =$ 5192 $(1-e^{-s}) =$.314

$(F_c Q)^2 =$ 16884 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 5302 $P_t^2 =$ 261121 $P_w^2 =$ 266423

FLOW RATE CALCULATION

$Q =$ 437 $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 437

DELIVERABILITY CALCULATION

$D = Q$ 437 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 0.8152 $=$ 0.8579 $=$ 375

SUMMARY

$P_c =$ 1824
 $Q =$ 437
 $P_w =$ 516
 $P_d =$ 912
 $D =$ 375

D at 250 or 500 437

Note:

250# for P.C.
500# for M.V.

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

Witnessed By _____

Company _____

