

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**

72802 Pool BLANCO Lease NEWBERRY No. 9

Formation MV Unit M S 05 T 31 R 12 Pay Zone 4640 to 4748 Cty. SJ

Casing - OD 5500 Wt. 1550 Set at 4846 Tubing - OD 2000 Wt. 0470 L 4719 (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>012161</u>	To	<u>012961</u>
		092960	O.D. 2.000

Deadweight Flowing Pressure, psia						
Casing	(a)	Tubing	(b)	Meter	(c)	Wt.
						4.70

Flowing Pressure, psia _____

Deadweight Shut-in Pressure, psia _____

Chart _____ (d) Tubing 1020 (k) Casing 1017 (j) Length 4719

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

FRICTION CALCULATION

Grav. .683 $P_t = \underline{490}$ (i) $GL = \underline{3223}$ $(1-e^{-s}) = \underline{.209}$

$$(F_C Q)^2 = \underline{63872} \quad (1-e^s)(F_C Q)^2 = R^2 = \underline{13349} \quad P_t^2 = \underline{240100} \quad P_w^2 = \underline{253449}$$

FLOW RATE CALCULATION

$$Q = \frac{850}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = \frac{850}{1.0000}$$

DELIVERABILITY CALCULATION

$$D = Q \quad \underline{850} \times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \underline{.9915} = \underline{.9936} = \underline{845}$$

SUMMARY

$P_c = \underline{1020}$

Q = 850

$P_w = \underline{\underline{503}}$

$P_d = \underline{\underline{510}}$

D = 845

D at 250 or 500 **832**

Note:
250 ₨ for P.C.
500 ₨ for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title **GAS ENGINEER**

Witnessed By _____

Company _____