

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

72330 Pool BLANCO Lease SAN JUAN 28 4 30 No. 16
 Formation MV Unit H S 30 T 28 R 04 Pay Zone 6416 to 6592 Cty. RA
 Casing - OD 5500 Wt. 1400 Set at 6667 Tubing - OD 2000 Wt. 0470 L 6588 (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>052260</u>	To <u>053060</u>	O.D. <u>2.000</u>
		<u>102269</u> <u>10 22 59</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>663</u> (k)	Casing <u>762</u> (j)
			Length <u>6588</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 511 (g) Corrected 511 (h)

FRICTION CALCULATION

Grav. .670 $P_t =$ 511 (i) $GL =$ 4414 $(1-e^{-s}) =$.275

$(F_c Q)^2 =$ 2928 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 805 $P_t^2 =$ 261121 $P_w^2 =$ 261926

FLOW RATE CALCULATION

$Q =$ 182 $\times \sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} =$ 182

DELIVERABILITY CALCULATION

$D = Q$ 182 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.8539 $=$ 1.5887 $=$ 289

An intermitter was installed to remove liquids from the wellbore.

Unable to obtain 25% drawdown

SUMMARY

 $P_c =$ 663 $Q =$ 182 $P_w =$ 512 $P_d =$ 332 $D =$ 289D at 250 or 500 181Company EL PASO NATURAL GAS CO.

Note:

250# for P.C.

500# for M.V.

By H. L. KENDRICK★ Title GAS ENGINEER

Witnessed By _____

182 Company _____

