

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

4973 Pool SOUTH BLANCO Lease DAY 8 No. 6
 Formation PC Unit F S 07 T 27 R 08 Pay Zone 2882 to 2934 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 3001 Tubing - OD 1250 Wt. 8240 L 2857 (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>050760</u>	To <u>051560</u>	<u>032360</u>
			O.D. <u>1.250</u>
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing	(b) Meter (c)
			Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	(d)	Tubing	<u>807</u> (k) Casing <u>806</u> (j)
			Length <u>2857</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 270 (g) Corrected 270 (h)

FRICTION CALCULATION

Grav. .630 $P_t =$ 270 (i) $GL =$ 1800 $(1-e^{-1}) =$.123

$(F_c Q)^2 =$ 199007 $(1-e^{-1})(F_c Q)^2 = R^2 =$ 24478 $P_t^2 =$ 72900 $P_w^2 =$ 97378

FLOW RATE CALCULATION

$Q =$ 573 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 573

DELIVERABILITY CALCULATION

$D = Q$ 573 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8811}{.8979} =$ 514

SUMMARY

 $P_c =$ 807 $Q =$ 573 $P_w =$ 312 $P_d =$ 404 $D =$ 514D at 250 or 500 577

Note:

250 # for P.C.

500 # for M.V.

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

Witnessed By _____

584

Company _____