

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

72860 Pool SOUTH BLANCO Lease SAN JUAN 27 5 PC No. 53
Formation PC Unit M S 05 T 27 R 05 Pay Zone 3472 to 3516 Cty. RA
Casing - OD 7625 Wt. 2640 Set at 3650 Tubing - OD 1250 Wt. 0240 L 3482 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 042061 To 042861 S.I.P. Measured 122860 Prod. String O.D. 1.250

Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 2.40

Flowing Pressure, psia
Chart (d) Tubing 917 (k) Casing 917 (j) Length 3482

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
Chart 585 (g) Corrected 585 (h)

FRICITION CALCULATION

Grav. .638 $P_i =$ 585 (i) $GL =$ 2222 $(1-e^{-x}) =$.149

$(F_c Q)^2 =$ 33189 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 4945 $P_i^2 =$ 342225 $P_w^2 =$ 347170

FLOW RATE CALCULATION

$Q =$ 234 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 234

DELIVERABILITY CALCULATION

$D = Q$ 234 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.2764}{1.2305} =$ 288

SUMMARY

$P_c =$ 917
 $Q =$ 234
 $P_w =$ 589
 $P_d =$ 459
 $D =$ 288

D at 250 or 500 339

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 _____



