

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

72475 Pool BLANCO Lease RUSSELL No. 4
 Formation MV Unit 6 S 24 T 28 R 00 Pay Zone 4430 to 5130 Cty. SJ
 Casing - OD 5500 Wt. 1530 Set at 5179 Tubing - OD 2000 Wt. 6470 L 5079 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 050760 To 051560 S.I.P. Measured 112269 Prod. String O.D. 5.500
112259

Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 15.30

Flowing Pressure, psia
 Chart (d) Tubing 791 (k) Deadweight Shut-in Pressure, psia Casing 802 (j) Length 4430

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 533 (g) Corrected 533 (h)

FRICTION CALCULATION

Grav. .710 $P_t =$ 533 (i) $GL =$ 3186 $(1-e^{-x}) =$.207

$(F_c Q)^2 =$ 658 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 136 $P_t^2 =$ 284089 $P_w^2 =$ 284225

FLOW RATE CALCULATION

$Q =$ 478 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} =$ 478

DELIVERABILITY CALCULATION

$D = Q$ 478 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.3433}{1.2477} =$ 596

Piston Installation.

SUMMARY

$P_c =$ 802
 $Q =$ 478
 $P_w =$ 533
 $P_d =$ 401
 $D =$ 596

D at 250 or 500 500

Note:

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

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

Witnessed By _____

Company _____

501

1942

1943

1944

1945

1946

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1948

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1950

1951

1952

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