

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
00000

70444 Pool BLANCO Lease SCHWERTFEGER-A MV No. 1
 Formation MV Unit M S 36 T 28 R 09 Pay Zone 4342 to 4632 Cty. SJ
 Casing - OD 7000 Wt. 2000 Set at 3900 Tubing - OD 2000 Wt. 0470 L 4571 (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 042160 To 042960 032260 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 1000 (k) Casing 752 (j) Length 4571

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 533 (g) Corrected 533 (h)

FRICTION CALCULATION

Grav. .708 $P_t =$ 533 (i) GL = 3236 $(1-e^{-s}) =$.210

$(F_c Q)^2 =$ 71132 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 14938 $P_t^2 =$ 284089 $P_w^2 =$ 299027

FLOW RATE CALCULATION

$Q =$ 897 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 897

DELIVERABILITY CALCULATION

$D = Q$ 897 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0699 $=$ 1.0699 944



SUMMARY

 $P_c =$ 1000D at 250 or 500 917Company EL PASO NATURAL GAS CO. $Q =$ 897

Note:

By H. L. KENDRICK $P_w =$ 547

250 # for P.C.

Title GAS ENGINEER $P_d =$ 500

500 # for M.V.

Witnessed By _____

D = 944918

Company _____

THE WELD TEST DATA SHEET -- FAN 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

