

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

71435 Pool BLANCO MV Lease SAN JUAN 28-7 No. 63
 Formation MV Unit K S 12 T 27 R 07 Pay Zone 4894 to 5570 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 5664 Tubing - OD 2000 Wt. 0470 L 5539 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 040761 To 041561 S.I.P. Measured 082960 Prod. String O.D. 2.000
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 4.70
 Flowing Pressure, psia
 Chart (d) Tubing 694 (k) Casing 698 (j) Length 5539
 Deadweight Shut-in Pressure, psia
 Meter Error 0 (e) Friction Loss 0 (f) Chart 656 (g) Corrected 656 (h)
 7 Day Avg. Flowing Pres., psia

FRICTION CALCULATION

Grav. .668 $P_i =$ 656 (i) $GL =$ 3700 $(1-e^{-s}) =$.236

$(F_c Q)^2 =$ 12236 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 2888 $P_i^2 =$ 430336 $P_w^2 =$ 433224

FLOW RATE CALCULATION

$Q =$ 372 $\times \sqrt{\frac{(c)}{(d)}}$ 1.0000 $=$ 1.0000 $=$ 372

DELIVERABILITY CALCULATION

$D = Q$ 372 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 7.4615 $=$ 4.5146 $=$ 1679

Unable to obtain 25% drawdown

An intermitter was installed. Turned back on Production 3-21-61.

SUMMARY

$P_c =$ 694
 $Q =$ 372
 $P_w =$ 658
 $P_d =$ 347
 $D =$ 1679

D at 250 or 500 1107

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

