

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)

70048 Pool BLANCO MV Lease 30 6 HOWELL H No. 1
 Formation MV Unit Ns 13T 30R 07 Pay Zone 4800 to 5476 Cty. RA
 Casing - OD 7000 Wt. 2000 Set at 4073 Tubing - OD 2000 Wt. 0470 L 5440 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 051560 To 052260 S.I.P. Measured 050669 Prod. String O.D. 2.000
050659
 Deadweight Flowing Pressure, psia
 Casing (a) Tubing (b) Meter (c) Wt. 4.70
 Flowing Pressure, psia
 Chart (d) Tubing 980 (k) Casing (j) Length 5440
 Deadweight Shut-in Pressure, psia

Meter Error 0 (e)

Friction Loss 0 (f)

7 Day Avg. Flowing Pres., psia 496 (g) Corrected 496 (h)

FRICTION CALCULATION

Grav. 0.643 $P_t =$ 496 (i) GL = 3498 $(1-e^{-1}) =$ 0.225

$(F_c Q)^2 =$ 36433 $(1-e^{-1}) (F_c Q)^2 = R^2 =$ 8197 $P_t^2 =$ 246016 $P_w^2 =$ 254219

FLOW RATE CALCULATION

$Q =$ 642 $\times \sqrt{\frac{(c)}{(d)}} \times \frac{1.0000}{1.0000} =$ 642

DELIVERABILITY CALCULATION

$D = Q$ 642 $\times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$ 1.0199 $=$ 1.0148 $=$ 652

Well was bridged. Perforated tubing.

SUMMARY

$P_c =$ 980

$Q =$ 642

$P_w =$ 504

$P_d =$ 490

$D =$ 652

D at 250 or 500 631

Note:

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

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

632

Company _____



Initial
Deliverability Test