

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

72133 Pool BLANCO Lease SJU 29 7 No. 63
 Formation MV Unit H S 10 T 29 R 07 Pay Zone 5022 to 5590 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 5647 Tubing - OD 2000 Wt. 8470 L 5562 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 033060 To 040760 S.I.P. Measured 022269
022259 Prod. String 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 717 (k) Casing 827 (j) Length 5562

Meter Error
0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 555 (g)Corrected 555 (h)

FRICTION CALCULATION

Grav. .671 $P_t =$ 555 (i) $GL =$ 3732 $(1-e^{-x}) =$.298

$(F_c Q)^2 =$ 55443 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 13195 $P_t^2 =$ 308025 $P_w^2 =$ 321220

FLOW RATE CALCULATION

$Q =$ 792 $\times \sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} =$ 792

DELIVERABILITY CALCULATION

$D = Q$ 792 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.9972 $=$ 1.6800 $=$ 1331

Intermittent installed 8/15/60

Unable to obtain 25% drawdown

SUMMARY

 $P_c =$ 717 $Q =$ 792 $P_w =$ 567 $P_d =$ 359 $D =$ 1331D at 250 or 500 921

Note:

250# for P.C.

500# for M.V.

Company EL PASO NATURAL GAS CO.By H. L. KENDRICK* Title GAS ENGINEER

Witnessed By _____

924

Company _____



WILSON FIELD - EAST UNIT

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