

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 Test70982 Pool BLANCO MV Lease SAN JUAN 29-7 No. 30Formation MV Unit H S 35 T 29 R 07 Pay Zone 5245 to 5955 Cty. RACasing - OD 7000 Wt. 2300 Set at 5210 Tubing - OD 2000 Wt. 0470 L 5876 (T. Perf.)Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 030760 To 031560 S.I.P. Measured 082269 Prod. String O.D. 2.000Deadweight Flowing Pressure, psia
Casing (a) Tubing (b) Meter (c) Wt. 4.70Flowing Pressure, psia
Chart (d) Tubing 769 (k) Casing 774 (j) Length 5876
Deadweight Shut-in Pressure, psiaMeter Error
0 (e)Friction Loss
0 (f)7 Day Avg. Flowing Pres., psia
Chart 601 (g) Corrected 601 (h)

FRICTION CALCULATION

Grav. .692 $P_t =$ 601 (i) $GL =$ 4066 $(1-e^{-s}) =$.256 $(F_c Q)^2 =$ 6734 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 1724 $P_t^2 =$ 361201 $P_w^2 =$ 362925

FLOW RATE CALCULATION

 $Q =$ 276 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 276

DELIVERABILITY CALCULATION

 $D = Q$ 276 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.9398}{1.6436} =$ 454

Intermitter installed 2/2/60

Unable to obtain 25% drawdown

SUMMARY

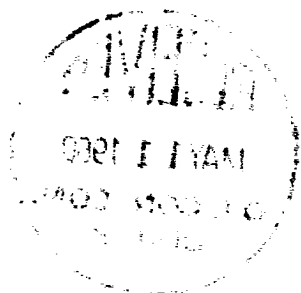
 $P_c =$ 769 $Q =$ 276 $P_w =$ 602 $P_d =$ 385 $D =$ 454 D at 250 or 500 361

Note:

250# for P.C.

500# for M.V.

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



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