

Initial
Deliverability Test

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)

Form C-122-A
(EL PASO)

72788 Pool BASIN Lease ANGEL PEAK No. 1
Formation DK Unit M S 02 T 27 R 11 Pay Zone 6340 to 6466 Cty. SJ
Casing - OD 5500 Wt. 1550 Set at 6548 Tubing - OD 2000 Wt. 0470 L 6414 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 010761 To 011561 S.I.P. Measured 101760 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 1929 (k) Casing 1927 (j) Length 6414
Deadweight Shut-in Pressure, psia

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres. psia
Chart 504 (g) Corrected 504 (h)

FRICTION CALCULATION

Grav. .729 $P_t =$ 504 (i) GL = 4676 $(1-e^{-s}) =$.288

$(F_c Q)^2 =$ 1003939 $(1-e^{-s}) (F_c Q)^2 = R^2 =$ 289134 $P_t^2 =$ 254016 $P_w^2 =$ 543150

FLOW RATE CALCULATION

$Q =$ 3370 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 3370

DELIVERABILITY CALCULATION

$D = Q$ 3370 $\times \left(\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8778}{.9068} =$ 3056

SUMMARY

$P_c =$ 1929
 $Q =$ 3370
 $P_w =$ 737
 $P_o =$ 965
 $D =$ 3056

D at 250 or 500 3364

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

3398