

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

72692 Pool UNDESIGNATED Lease DELHI TAYLOR No. 5
Formation DK Unit A 17 26 11 Pay Zone 6062 to 6102 Cty. SJ
Casing - OD 5500 Wt. 1550 Set at 6328 Tubing - OD 2000 Wt. 0470 L 6111 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 103060 To 110760 S.I.P. Measured 062160 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 1969 (k) Casing 1975 (j) Length 6111

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 490 Chart (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .693 $P_t =$ 490 (i) GL = 4235 $(1-e^{-s}) =$.265

$(F_c Q)^2 =$ 1356302 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 359420 $P_t^2 =$ 240100 $P_w^2 =$ 599520

FLOW RATE CALCULATION

$Q =$ 3917 (integrated) $\times \sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} = 3917$

DELIVERABILITY CALCULATION

$D = Q$ 3917 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{.8868}{.9138} = 3579$

SUMMARY

$P_c =$ 1969
 $Q =$ 3917
 $P_w =$ 774
 $P_d =$ 985
 $D =$ 3579

D at 250 or 500 3899

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



Company EL PASO NATURAL GAS CO.
By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By John J. Strzpek
Company El Paso Natural Gas Products Co

3937

