

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

70992 Pool BLANCO Lease 30 6 WILSON No. 5
Formation MV Unit M S 34 T 30 R 07 Pay Zone 4860 to 5405 Cty. RA
Casing - OD 7000 Wt. 2000 Set at 4820 Tubing - OD 2000 Wt. 0470 L 5335 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
From 032961 To 040661 S.I.P. Measured 090660 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 667 (k) Casing 675 (j) Length 5335

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia 540 (g) Corrected 540 (h)

FRICITION CALCULATION

Grav. .667 $P_t =$ 540 (i) $GL =$ 3558 $(1-e^{-s}) =$.228

$(F_c Q)^2 =$ 2042 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 466 $P_t^2 =$ 291600 $P_w^2 =$ 292066

FLOW RATE CALCULATION

$Q =$ 152 (integrated) $\times \left[\sqrt{\frac{(c)}{(d)}} \frac{1.0000}{1.0000} \right] =$ 152

DELIVERABILITY CALCULATION

$D = Q$ 152 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 2.1745 $=$ 1.7906 $=$ 272

Intermittent was installed. Turned back on Production 2-28-61.

Unable to obtain 25% drawdown

SUMMARY

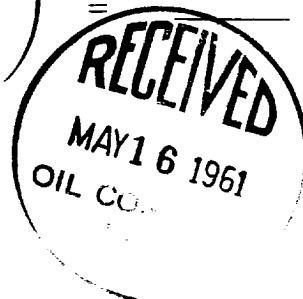
$P_c =$ 667
 $Q =$ 152
 $P_w =$ 540
 $P_d =$ 334
 $D =$ 272

D at 250 or 500 173

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



THE UNIVERSITY OF CHICAGO

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