

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

72855 Pool BASIN Lease HUERFANITO No. 61
 Formation DK Unit G S 04 T 26 R 09 Pay Zone 6545 to 6745 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 6798 Tubing - OD 2375 Wt. 0470 L 6601 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow S.I.P. Measured Prod. String
 From 032161 To 032961 010661 O.D. 2.375

Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 4.70

Flowing Pressure, psia Deadweight Shut-in Pressure, psia
 Chart _____ (d) Tubing 1972 (k) Casing 1974 (j) Length 6601

Meter Error
0 (e)

Friction Loss
0 (f)

7 Day Avg. Flowing Pres., psia
 Chart 490 (g) Corrected 490 (h)

FRICTION CALCULATION

Grav. .685 $P_t =$ 490 (i) GL = 4522 $(1-e^{-s}) =$.280

$(F_c Q)^2 =$ 22052 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 6175 $P_t^2 =$ 240100 $p_w^2 =$ 246275

FLOW RATE CALCULATION

$Q =$ 846 (integrated) $\times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} =$ 846

DELIVERABILITY CALCULATION

$D = Q$ 846 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8007 $=$.8464 $=$ 716

SUMMARY

$P_c =$ 1972

$Q =$ 846

$P_w =$ 496

$P_d =$ 986

$D =$ 716

D at 250 or 500 842

Note:

250 $\neq$ for P.C.

500 $\neq$ for M.V.

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____



MEMORANDUM FOR THE RECORD

DATE: 10/10/1981

TO: [illegible]

FROM: [illegible]

SUBJECT: [illegible]

1. [illegible]

2. [illegible]

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41. [illegible]

42. [illegible]

43. [illegible]

RECEIVED

MAY 1981

OFFICE OF THE

DEPUTY ATTORNEY GENERAL

STATE OF TEXAS

AT THE CITY OF DALLAS

COUNTY OF DALLAS

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