Form C-122-A
(EL PASO)

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)

71123 Pool BLANCO Lease SAN JUAN 28 5 No. 3

Formation MV Unit M S 26 T 28 R 05 Pay Zone 5475 to 6058 Cty. RA

Casing - OD 7000 Wt. 2300 Set at 5386 Tubing - OD 2000 Wt. 0470 L 5528 (T. Perf.)

Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow: From 112160 To 112960

S.I.P. Measured: 061460

Prod. String: O.D. 2.000 Wt. 4.70 Length 5528

Deadweight Flowing Pressure, psia: Casing _____ (a) Tubing _____ (b) Meter _____ (c)

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 562 (k) Casing 833 (j)

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 483 (g) Corrected 483 (h)

FRICTION CALCULATION

Grav. .692 P_t = 483 (i) GL = 3825 $(1-e^{-s})$ = .243

$(F_cQ)^2$ = 581 $(1-e^{-s})(F_cQ)^2 = R^2$ = 141 P_t^2 = 233289 P_w^2 = 233430

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{81} \times \left[\sqrt{\frac{(c)}{(d)} \quad 1.0000} = 1.0000\right] = 81$$

DELIVERABILITY CALCULATION

$$D = Q \quad 81 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 2.8693\right]^N = 2.2046\right) = 179$$

Intermitter installed 11-7-60

Unable to obtain 25% drawdown

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JAN 5 1961
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 562

Q = 81

P_w = 483

P_d = 281

D = 179

D at 250 or 500 59

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

59

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

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