NEW MEXICO OIL CONSERVATION COMMISSION

(EL PASO)

Initial Deliverability Test

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

71797 Pool BLANCO Lease SAN JUAN 32 8 4 No. 20

Formation MV Unit L S 04 T 31 R 08 Pay Zone 5832 to 5846 Cty. SJ

Casing - OD 5500 Wt. 1400 Set at 5911 Tubing - OD 1250 Wt 0240 L 5841 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 062960 To 070760

S.I.P. Measured: 5146

Prod. String: O.D. 1.250

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

Wt. 2.40

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 560 (k) Casing 68 (j)

Length 5841

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 469 (g) Corrected 469 (h)

FRICTION CALCULATION

Grav. .606 P_t = 469 (i) GL = 354 $(1-e^{-s})$ = .227

$(F_cQ)^2$ = 621 $(1-e^{-s})(F_cQ)^2 = R^2$ = 141 P_t^2 = 21996 P_w^2 = 220102

FLOW RATE CALCULATION

$Q = 32 \text{ (integrated)} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = .000\right] = 32$

DELIVERABILITY CALCULATION

$D = Q \quad 32 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 2.5117\right]^N = 1.995\right) = 64$

Intermitter installed. Turned on production 4/7/60.

RECEIVED
AUG 8 1960
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 560

Q = 32

P_w = 469

P_d = 280

D = 64

D at 250 or 500 20

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

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Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____