(EL PASO)

NEW MEXICO OIL CONSERVATION COMMISSION

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)

70966 Pool BALLARD PC Lease MCCONNELL No. 1

Formation PC Unit D S 13 T 26 R 09 Pay Zone 2013 to 2092 Cty. SJ

Casing - OD 7000 Wt. 2000 Set at 2013 Tubing - OD 1250 Wt 0230 L 1814 (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: 4066

Prod. String: O.D. 7.000

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

Wt. 20.00

Flowing Pressure, psia: Chart _____ (d)

Deadweight Shut-in Pressure, psia: Tubing 326 (k) Casing 32 (j)

Length 2013

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 21 (g) Corrected 215 (h)

FRICTION CALCULATION

Grav. .655

P_t = 215 (i) GL = 131 $(1-e^{-s})$ = .091

$(F_cQ)^2$ = 33 $(1-e^{-s})(F_cQ)^2 = R^2$ = 3 P_t^2 = 4622 P_w^2 = 46228

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{322} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = .000\right] = 322$$

DELIVERABILITY CALCULATION

$$D = Q \quad 322 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = 1.3273\right]^N = 1.272\right) = 410$$

Differential valves were run. Returned to production 6/15/60.

SUMMARY

P_c = 326

Q = 322

P_w = 215

P_d = 163

D = 410

D at 250 or 500 216

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 _____