(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)

74983 Pool GAVILAN Lease FEDERAL 6 J No. 1

Formation PC Unit B S 06 T 24 R 01 Pay Zone 3564 to 3592 Cty. RA

Casing - OD 5500 Wt. 1550 Set at 3613 Tubing - OD 1250 Wt. 0240 L 3559 (T. Perf.)

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

OBSERVED DATA

Period of Test Flow: From 051560 To 052260

S.I.P. Measured: ~~112069~~ 112059

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 941 (k) Casing 940 (j)

Length 3559

Meter Error: 0 (e)

Friction Loss: 0 (f)

7 Day Avg. Flowing Pres., psia: Chart 293 (g) Corrected 293 (h)

FRICTION CALCULATION

Grav. .704 P_t = 293 (i) GL = 2506 $(1-e^{-s})$ = .167

$(F_cQ)^2$ = 14190 $(1-e^{-s})(F_cQ)^2 = R^2$ = 2370 P_t^2 = 85849 P_w^2 = 88219

FLOW RATE CALCULATION

$Q = 153 \text{ (integrated)} \times \left[\sqrt{\frac{(c)}{(d)}} \quad 1.0000 = 1.0000\right] = 153$

DELIVERABILITY CALCULATION

$D = Q \quad 153 \times \left(\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = .8323\right]^N = .8555\right) = 131$

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JUN 13 1960
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 941

Q = 153

P_w = 297

P_d = 471

D = 131

D at 250 or 500 156

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

157

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By _____

Company _____

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