Initial Deliverability Test

FORM C-122-A
EL PASO 8-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool BASIN Formation DAKOTA County SJ E

Well Name HUERFANITO UNIT #105 75496 E

Unit A S 27 T 27 R 9 Pay Zone 6581 To 6802 Flow String TUBING E

Casing O D 4.500 I D 4.052 Set at 6871 Tubing O D 2.375 I D 1.995 L 6757 Top Perf. E

Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY E

Pd: % Of P_c	Comm. Designated P_c, psia	Period Of Test Flow		SIP Measured
50		From 02-12-67	To 02-20-67	10-05-66 E

Deadweight Flowing Pressure, psia — Flowing Pressure, psia

Casing _____(a) Tubing _____(b) Meter _____(c) Chart _____(d) E

Deadweight Shut-In Pressures, psia — Meter Error — Friction Loss

Casing 2062 (J) Tubing 1871 (k) 0008 (e) 0 (f) E

7 Day-Avg. Flowing Pres., psia

Chart 504 (g) Corrected 504 (h) P_t 504 (i) Gravity .658 E

G. L. = 4472 1-e $^{-s}$ = .278 F_c 9.402 $(F_cQ)^2$ 3.158 E

$(1-e^{-s})$ $(F_cQ)^2 = R^2$ = 878 P_t^2 = 254016 P_c^2 = 254694 E

$$Q = \frac{189}{\text{(integrated)}} \times \left[\sqrt{\frac{(c)}{(d)}} = 1.0000 = 1.0000\right] = 189$$ E E

$$D = Q \quad 189 \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)}\right]^n = \left[\frac{316666}{399696}\right]^n = \frac{(.7976)^n}{.8442} = 160$$ E E

REMARKS

New Well First Delivered 1-26-67.

RECEIVED
MAR 14 1967
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 2062
Q = 189
P_w = 505
P_d = 1031
D = 160

Company EL PASO NATURAL GAS CO

By H. L. KENDRICK

Title AREA GAS WELL TEST ENGINEER

Witnessed By _____

Company _____

67068

75496

669