

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool BASIN Formation DAKOTA County SJ E
Well Name HUERFANITO UNIT #55 DK 75501 E
Unit L S35 T27 R9 Pay Zone 6580 To 6784 Flow String TUBING E
Casing O D 5.500 I D 4.950 Set at 6890 Tubing O D 2.375 I D 1.995 L 6759 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 11-04-66 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 (j) Tubing 1962 (k) 0008 (e) C (f) E

7 Day-Avg. Flowing Pres., psia
Chart 483 (g) Corrected 483 (h) P_f 483 (i) Gravity .648 E

G. L. = 4380 1-e^{-s} = .273 F_c 9.402 (F_cQ)² 45.185 E

(1-e^{-s}) (F_cQ)² = R² = 12336 P₁² = 233289 P₂² = 245625 E

Q = $\frac{715}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{715}{1}$ E

D=Q $\frac{715}{\left[\frac{(P_1^2 - P_2^2)}{(P_1^2 - P_2^2)} \right]^n} = \frac{715}{\left[\frac{2887063}{3603815} \right]^n} = \frac{715}{(.8011)^n} = \frac{715}{.8468} = 845$ E

REMARKS

New Well First Delivered 1-27-67.



SUMMARY

P_c = 1962
Q = 715
P_w = 496
P_d = 981
D = 605

Company EL PASO NATURAL GAS CO
By H.L. Kendrick
Title AREA GAS WELL TEST ENGINEER
Witnessed By _____
Company _____

67068

75501

667

