

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County RA E
Well Name SJ 27-5 UNIT #105 86562 E
Unit N S 11 T 27 R 5 Pay Zone 8484 To 8706 Flow String TUBING E
Casing O D 4.000 I D 3.428 Set at 8741 Tubing O D 2.375 I D 1.995 L 8459 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 09-06-67 To 09-14-67 06-27-67 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 2357 (j) Tubing 2366 (k) 0006 (e) 0 (f) E

7 Day-Avg. Flowing Pres., psia
Chart 477 (g) Corrected 477 (h) P_t 477 (i) Gravity .678 E

G. L. = 5735 1-e^{-s} = .341 F_c 9.402 (F_cQ)² 53.363 E

(1-e^{-s}) (F_cQ)² = R² = 18197 P_i² = 227529 P_w² = 245726 E

Q = $\frac{777}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{777}{1.0000}$ E

D=Q $\frac{777}{1.0000} \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{4198467}{5352230} = \frac{.7844}{.8335} = 648$ E

REMARKS

New Well First Delivered 8-19-67.



OK

SUMMARY

P_c = 2366
Q = 777
P_w = 496
P_d = 1183
D = 648

Company EL PASO NATURAL GAS CO E
By H. L. KUNDRICK, P.E. E
Title AREA GAS WELL TEST ENGINEER E
Witnessed By _____ E
Company _____ E

67283

86562 E

3347 E