

Initial  
Deliverability Test  
File

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

Pool BASIN Formation DAKOTA County SJ  
Well Name HUERFANO UNIT #149 75455  
Unit K S 18 T 25 R 9 Pay Zone 6596 To 6616 Flow String TUBING  
Casing O D 4.500 I D 4.052 Set at 6637 Tubing O D 2.375 I D 1.995 L 6601 Top Perf.  
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of Pc Comm. Designated Pc, psia Period Of Test Flow SIP Measured  
50 From 12-02-66 To 12-10-66 07-13-66

Deadweight Flowing Pressure, psia Flowing Pressure, psia  
Casing (a) Tubing (b) Meter (c) Chart (d)

Deadweight Shut-In Pressures, psia Meter Error Friction Loss  
Casing 1908 (j) Tubing 1927 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia  
Chart 505 (g) Corrected 505 (h)  $P_t$  505 (i) Gravity .719

G. L. = 4746  $1-e^{-s} = .292$   $F_c = 9.402$   $(F_c Q)^2 = 41.242$

$(1-e^{-s})(F_c Q)^2 = R^2 = 12043$   $P_i^2 = 255025$   $P_w^2 = 267068$

$Q = \frac{683}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 683$

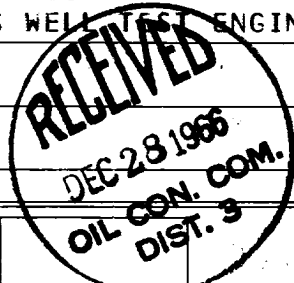
$D=Q \times \left[ \frac{(P_i^2 - P_w^2)}{(P_i^2 - P_w^2)} \right]^n = \left[ \frac{2784033}{3446261} \right]^n = \frac{(.8078)^n}{.8521} = 582$

REMARKS  
New well first delivered 11-10-66.

SUMMARY

$P_c = 1927$   
 $Q = 683$   
 $P_w = 517$   
 $P_d = 964$   
 $D = 582$

Company EL PASO NATURAL GAS CO  
By H. E. Kendrick  
Title AREA GAS WELL TEST ENGINEER  
Witnessed By \_\_\_\_\_  
Company \_\_\_\_\_



66355

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