

H. O. Watson No. 2

Potential Test Data

Flow 1.938 MMCF/day
 AOF 2.066 MMCF/day
 Shut-in Pressure 1989 psia

Estimated Deliverability Data

Q = 806 MCF/day
 P_t = 550 psia
 P_w = 562 psia
 P_c = 1350 psia
 P_d = 675 psia

$$D = Q \sqrt{\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)}}^n$$

D = 750 MCF/day

2-3/8" OD EUE 4.7# J-55 tubing set at 5909'
 Top perfs at 5936'
 Gravity .70 est

GL = 4150'

(1 - e^{-s}) = .260
 F_c = 9.402
 (F_cQ)² = 49,600
 R_c² = 12,900
 P_t² = 302,500
 P_w² = 315,400
 P_w = 562 psia

