

Initial
Deliverability Test

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

Pool BLANCO Formation MV County SJ
Well Name MUDGE #1 70193
Unit N S 21 T 31 R 11 Pay Zone 4740 To 4942 Flow String TUBING
Casing O D 5.000 I D 4.494 Set at 4459 Tubing O D 2.375 I D 1.995 L 4827 Top Per
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia Period Of Test Flow From 03-26-67 To 04-03-67 SIP Measured 03-14-66

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 662 (j) Tubing 651 (k) 0008 (e) 0

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_f 497 (i) Gravity .683

G. L. = 3297 1-e^{-s} = .213 F_c 9.402 (F_cQ)² .748

(1-e^{-s}) (F_cQ)² = R² = 159 P_i² = 247009 P₂² = USE PT 2

Q = $\frac{92}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1.0000}{92}$

D=Q $\frac{92}{\left[\frac{(P_1^2 - P_2^2)}{(P_1^2 - P_2^2)} \right]^n} = \left[\frac{157344}{191235} \right]^n = \frac{(.8227)^n}{.8638} = \frac{79}{79}$

REMARKS

Installed Intermittent 2-28-67.



SUMMARY

P_c = 662
Q = 92
P_w = 497
P_d = 530
D = 79

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS CO

H.L. KENDRICK, P.E.

AREA GAS WELL TEST ENGINEER