

Initial
Deliverability Test

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

Pool ELANCO Formation MV County RA
Well Name SJ 27-5 UNIT #34 MV 72183
Unit M_s 30 T 27 R 5 Pay Zone 478C To 5364 Flow String TUBING
Casing O D 5.500 I D 4.950 Set at 5439 Tubing O D 2.375 I D 1.995 L 5324 Top Perf.
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 07-21-67 To 07-29-67 SIP Measured 03-22-67

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

Deadweight Shut-In Pressures, psia
Casing (J) Tubing 531 (k) Meter Error 0006 (e) Friction Loss C (f)

7 Day-Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_f 497 (i) Gravity .665

G. L. = 354 1-e^{-s} = .227 F_c 9.402 (F_cQ)² 7.437

(1-e^{-s}) (F_cQ)² = R² = 1688 P_i² = 247009 P_w² = 248697

Q = $\frac{290}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} = 290$

D=Q $\frac{290}{\left[\frac{(P_i^2 - P_d^2)}{(P_i^2 - P_w^2)} \right]^n} = \frac{101336}{33264} = \frac{3.0464}{2.3059} = 669$

REMARKS

Installed Intermittent 7-10-67.

RECEIVED
AUG 28 1967
OIL CON. COM.
DIST. 3

SUMMARY

P_c = 531
Q = 290
P_w = 499
P_d = 425
D = 669

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

67228

72183
3075