

Initial
Deliverability Test

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

Pool EASIN Formation DAKOTA County RA FI
Well Name JICARILLA APACHE #10 75545 FI
Unit B S 27 T 26 R 5 Pay Zone 7154 To 7382 Flow String TUBING FI
Casing O D 4.500 I D 4.000 Set at 7454 Tubing O D 2.375 I D 1.995 L 7145 Top Perf. FI
Operator MARATHON OIL CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY FI

Pd: % Of P_c Comm. Designated P_c, psia Period Of Test Flow SIP Measured
50 From 04-30-67 To 05-08-67 12-27-66 FI

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

Deadweight Shut-In Pressures, psia Meter Error Friction Loss
Casing 1956 (J) Tubing 2325 (k) 0006 (e) 0 (f) FI

7 Day-Avg. Flowing Pres., psia
Chart 541 (g) Corrected 541 (h) P_f 541 (i) Gravity .717 FI

G. L. = 5122 1-e^{-s} = .311 F_c 9.402 (F_cQ)² 81.469 FI

(1-e^{-s}) (F_cQ)² = R² = 25337 P_i² = 292681 P_e² = 318018 FI

Q = $\frac{960}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{960}{1.0000}$ FI

D=Q $\frac{960}{\left[\frac{(P_e^2 - P_d^2)}{(P_e^2 - P_i^2)} \right]^n} = \frac{960}{\left[\frac{4053056}{5087607} \right]^n} = \frac{960}{.7966} = 809$ FI

REMARKS



SUMMARY

P_c = 2325 ✓ Company MARATHON OIL CO FI
Q = 960 ✓ By FI
P_w = 364 ✓ Title FI
P_d = 1163 ✓ Witnessed By E. J. Nelson FI
D = 809 ✓ Company FI

67145

75545 FI

51349 FI

