

Initial
Deliverability Test

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

FORM C-122-A
(EL PASO - 2-1-61)

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, CHACRA, FARMINGTON
& ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA & UTE DOME.)

Pool Alamosa Formation Mesa Verde County Rio Arriba
Well Name San Juan 29-3 No. 23 86-416
Unit E 16 29 R 3 Pay Zone 2749 To 2773 Flow String Casing
Casing O D 8-7/8 Wt 6.4 Set at 6043 Tubing O D None Wt L Top Perf.
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Date Flow Press. Meas. Period of test flow SIP Measured
From 09-28-61 To 10-03-61 6-17-61

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 1117 (j) Tubing (k) (e) (f)

7 Day Avg. Flowing Pres., psia
Chart 497 (g) Corrected 497 (h) P_t 497 (i) Gravity .671

G. L. = 3723 $1-e^{-s}$ = .237 $(F_c Q)^2$ = 10.980

$(1-e^{-s})(F_c Q)^2 = R^2$ = 2586 P_t^2 = 247009 P_w^2 = 249775

$Q = \frac{595}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{595}{\frac{595}{595}} \right] = 595$

$D = Q \frac{595}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{237808}{998094} \right)^N} = \frac{.936}{.9983} = 967$

SUMMARY

P_c = 1117 psia
 Q = 595 MCF/D
 P_w = 500 psia
 P_d = 599 psia
 D = 967 MCF/D

Company EL PASO NATURAL GAS COMPANY
By H. L. Hendrick
Title Sr. Gas Engineer
Witnessed By
Company



GAS WELL TEST DATA SHEET - SAN JUAN BASIN

TO BE USED FOR REPORTING RESULTS OF WELL TESTS TO THE NEW MEXICO DEPARTMENT OF MINES AND METALS
(ALL DATA MUST BE BASED ON TESTS RUN IN THE FIELD)

State of New Mexico
Department of Mines and Metals

Well Name: El Paso Natural Gas Company Location: El Paso, Texas County: El Paso

Well Depth: 10,000 ft. Test Date: 10-10-50 Test Time: 10:00 AM

Well Type: Gas Flow String: 10-10-50 Test Pressure: 100 psi

Well Completion: 10-10-50 Test Results: 100 psi

Operator: El Paso Natural Gas Company Producing Formation: El Paso Natural Gas Company

Test Flow Pressure: 100 psi Initial Test Flow: 10-10-50

Test Results: 100 psi

Flowing Pressure: 100 psi

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