

Initial
Deliverability Test

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

(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 Elanco Formation Mesa Verde County San Juan
Well Name Fields No. 5 71-069
Unit L S 28 T 32 R 11 Pay Zone 4850 To 5550 Flow String 2012
Casing O D 5-1/2 Wt 15.5 Set at 5000 Tubing O D 2-3/8 Wt 4.7 L 7742 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 02-02-61

To

10-03-61

2-01-61

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 --- (j) Tubing 754 (k) _____ (e) _____ (f)

7 Day Avg. Flowing Pres., psia

Chart 497 (g)

Corrected 497 (h)

P_t 497 (i) Gravity .676

G. L. = 3746

1-e^{-s} = .258

(F_cQ)² = 182.750

(1-e^{-s}) (F_cQ)² = R² = 43704

P_t² = 247009

P_w² = 299213

$$Q = \frac{1438}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = 1438$$

$$D = Q \frac{1438}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{40087}{27003} \right)^N} = \frac{1.537}{1.970} = 1982$$

Installed intermitter, turned back on production 8-23-61.

SUMMARY

P_c = 754 psia

Q = 1438 MCF/D

P_w = 530 psia

P_d = 577 psia

D = 1982 MCF/D

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. Kendrick
Sr. Gas Engineer


