

Initial  
Deliberability Test

FORM C-122-A  
EL PASO 11-1-62

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

Pool Basin Formation Dakota County San Juan  
Well Name San Juan Unit 32-7 No. 37 (BK) 86-467  
Unit D S 9 T 32 R 7 Pay Zone 7765 To 7942 Flow String Tubing  
Casing O D 4.000 I D 3.486 Set at 8000 Tubing O D 2.0625 I D 1.750 L 7708 Top Perf.  
Operator EL PASO NATURAL GAS COMPANY Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P<sub>c</sub> 50 Comm. Designated P<sub>c</sub>, psia 1967 Period Of Test Flow From 2-3-64 To 2-11-64 SIP Measured 12-11-63

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 1969 (k)        (e)        (f)

7 Day-Avg. Flowing Pres., psia  
Chart 533 (g) Corrected 533 (h) P<sub>f</sub> 533 (i) Gravity .599

G. L. = 4617 1-e<sup>-s</sup> = .285 F<sub>c</sub> 13.24 (F<sub>c</sub>Q)<sup>2</sup> 16.201

(1-e<sup>-s</sup>) (F<sub>c</sub>Q)<sup>2</sup> = R<sup>2</sup> = 4617 P<sub>i</sub><sup>2</sup> = 284089 P<sub>w</sub><sup>2</sup> = 288706

$$Q = \frac{304}{(\text{integrated})} \times \left[ \sqrt{\frac{(c)}{(d)}} \right] = \frac{304}{1} = 304$$

$$D=Q \frac{304}{1} \times \left[ \frac{(P_i^2 - P_w^2)}{(P_i^2 - P_w^2)} \right]^n = \left[ \frac{2906736}{3580255} \right]^n = \left( \frac{.8100}{.8539} \right)^n = 260$$

REMARKS

SUMMARY

P<sub>c</sub> = 1967  
Q = 304  
P<sub>w</sub> = 537  
P<sub>d</sub> = 985  
D = 260

Company

By

Title

Witnessed By

Company

EL PASO NATURAL GAS COMPANY

H. L. KENDRICK  
SENIOR GAS ENGINEER

**RECEIVED**  
MAR 10 1964  
OIL CON. COM.  
DIST. 3

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