

Initial
Deliverability Test

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

Pool BASIN Formation DAKOTA County SJ
Well Name HUERFANITO UNIT #88 DK 75260
Unit B S 23 T 27 R 9 Pay Zone 6454 To 6650 Flow String CASING
Casing O D 2.875 I D 2.441 Set at 6772 Tubing O D NONE I D L Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c Comm. Designated P_c, psia Period Of Test Flow SIP Measured
50 From 02-02-66 To 02-10-66 05-12-65

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 2217 (j) Tubing (k) 0000 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 555 (g) Corrected 555 (h) P_t 555 (i) Gravity .662

G. L. = 4273 1-e^{-s} = .267 F_c 5.551 (F_cQ)² 14.923

(1-e^{-s}) (F_cQ)² = R² = 3984 P_i² = 308025 P_w² = 312009

Q = $\frac{696}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} \right] = \frac{1.0000}{1.0000} = 696$

D=Q 696 $\times \left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n = \left[\frac{3685208}{4603080} \right]^n = \frac{(.8005)^n}{.8463} = 589$

REMARKS

New Well - 1st Delivered 1-15-66.

SUMMARY

P_c = 2217
Q = 696
P_w = 559
P_d = 1109
D = 589

Company EL PASO NATURAL GAS CO
By H.L. Kendrick
Title AREA GAS WELL TEST ENGINEER
Witnessed By
Company



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1487

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UNITED STATES

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EL PASO NATURAL GAS CO.

H.L. KENDRICK

AREA GAS WELL TEST ENGINEER

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