

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - SAN JUAN BASIN

Pool BLANCO Formation MV County SJ
Well Name HOWELL #2 70018
Unit B S 26 T 2 R Pay Zone 4923 To 4812 Flow String CASING
Casing O D 7.000 I D 6.366 Set at 3950 Tubing O D 2.375 I D 1.995 L 4594 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of P_c 80 Comm. Designated P_c, psia Period Of Test Flow From 11-25-66 To 12-03-66 SIP Measured 02-01-66

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

Deadweight Shut-In Pressures, psia
Casing 672 (J) Tubing 864 (k) Meter Error 0008 (e) Friction Loss 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 483 (g) Corrected 483 (h) P_t 483 (i) Gravity .670

G. L. = 2647 1-e^{-s} = .175 F_c .7003 (F_cQ)² .003

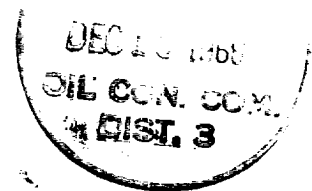
(1-e^{-s}) (F_cQ)² = R² = 1 P_i² = 233289 P_w² = USE PT2

Q = $\frac{72}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = 72$

D=Q $\frac{72}{\left[\frac{(P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n} = \left[\frac{269015}{513207} \right]^n = \frac{(.5241)^n}{.6160} = 44$

REMARKS

, Perforated tubing 11-8-66.



SUMMARY

P_c = 864
Q = 72
P_w = 483
P_d = 691
D = 44

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

66347

70018

5647

THE UNIVERSITY OF CHICAGO

1954

TO THE PRESIDENT OF THE UNIVERSITY OF CHICAGO
FROM THE FACULTY OF THE DIVISION OF THE PHYSICAL SCIENCES
SUBJECT: A RESOLUTION OF THE FACULTY OF THE DIVISION OF THE PHYSICAL SCIENCES
APPROVED BY THE FACULTY OF THE DIVISION OF THE PHYSICAL SCIENCES
ON MAY 15, 1954

1954

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