

Initial
Deliverability Test

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

Pool BLANCO Formation MV County SJ
Well Name MANSFIELD #1 70131
Unit M S 29 T 30 R 9 Pay Zone 4186 To 4910 Flow String TUBING
Casing O D 4.500 I D 4.052 Set at 4980 Tubing O D 2.375 I D 1.995 L 4834 Top Perf.
Operator EL PASO NATURAL GAS CO Purchasing Pipeline EL PASO NATURAL GAS COMPANY

Pd: % Of Pc Comm. Designated Pc, psia Period Of Test Flow SIP Measured
80 From 10-09-67 To 10-17-67 08-09-67

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 822 (j) Tubing 822 (k) 0006 (e) 0 (f)

7 Day-Avg. Flowing Pres., psia
Chart 490 (g) Corrected 490 (h) P_t 490 (i) Gravity .666

G. L. = 3219 $1-e^{-s} =$.209 $F_c =$ 9.402 $(F_c Q)^2 =$ 133.079

$(1-e^{-s}) (F_c Q)^2 = R^2 =$ 27814 $P_i^2 =$ 240100 $P_w^2 =$ 267914

$Q = \frac{1227}{(\text{integrated})} \times \left[\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} \right] = \frac{1227}{1}$

$D=Q \frac{1227}{\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n} = \frac{1227}{\left[\frac{242720}{407770} \right]^n} = \frac{1227}{(.5952)^n} = \frac{1227}{.6776} = 831$

REMARKS

First Delivered after OWWO 9-17-67



SUMMARY

$P_c =$ 822
 $Q =$ 1227
 $P_w =$ 518
 $P_d =$ 658
 $D =$ 831

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

67308

70131
3469

21

MA

BLANCO

10131

MANFIELD #1

TUBING

4180

4180

2

30

M 29

4834

1.995

5.375

4980

4.025

4.200

EL PASO NATURAL GAS COMPANY

EL PASO NATURAL GAS CO

219 Measured

Period of Test

Company Name

08-09-67

10-17-67

10-09-67

80

Flowing Pressure

Flowing Pressure

Flowing Pressure

Flowing Pressure

Flowing Pressure

Flowing Pressure

0

0000

855

855

000.

490

490

490

133.079

9.405

509.

3519

501914

540100

52814

1551

1.0000

1.0000

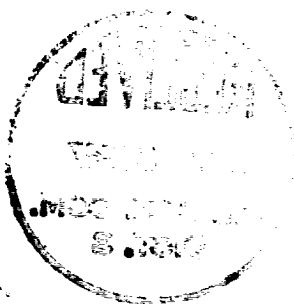
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9-17-67

First delivered after 01:00

EL PASO NATURAL GAS CO

AREA GAS WELL TEST ENGINEER
H.L. KENDRICK, P.E.

855

1551

518

628

831

91308

10131

3499