

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed _____

Operator Anderson-Prichard Lease Prichard Well No. 1
Unit _____ Sec. 6 Twp. 29 Rge. 8 Pay Zone: From 2910 To 2950
Casing: OD 7" WT. 20 Set At Plug 2975 Tubing: OD 2 7/8 WT. 6.80 T. Perf. 2910
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .643 Estimated _____
Date of Flow Test: From Jan 22 To Jan 29 * Date S.I.P. Measured 1/6/60
Meter Run Size 4 Orifice Size 1.00 Type Chart _____ Type Taps _____

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading 7.40 $2 \times$ spring constant 1000 psig + 12 = 548 psia (d)
Square root chart reading 7.40 $2 \times$ spring constant 1000 = 548 psia (d)
Meter error (c) - (d) or (d) - (c) _____ $\pm$ _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading 7.40 $2 \times$ sp. const. 1000 = 548 psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) _____ psia (h)
P_t = (h) + (f) _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 989 psig + 12 = 1001 psia (j)
Wellhead tubing shut-in pressure (Dwt) 989 psig + 12 = 1001 psia (k)
P_c = (j) or (k) whichever well flowed through _____ psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ °Abs (m)
P_d = $\frac{1}{2}$ P_c = $\frac{1}{2}$ (l) _____ psia (n)

Q = 11651 (integrated) $\times \left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{11752001}{\sqrt{(d)}}} \right) =$ _____ MCF/day

DELIVERABILITY CALCULATION

D = Q 551 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{1.0616}{1.0717} =$ 544 MCF/day.

SUMMARY

P_c = 1001 psia
Q = 551 Mcf/day
P_w = 548 psia
P_d = 500 psia
D = 544 Mcf/day

Company Anderson-Prichard
By _____
Title _____
Witnessed by Sum Stoll
Company El Paso Natural Gas Co.

- * This is date of completion test.
- * Meter error correction factor

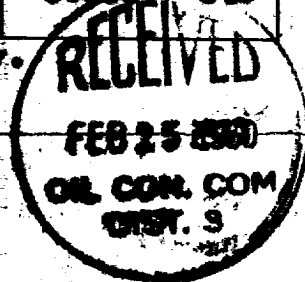
REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-s})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-s})	P _t ² (Column 1)	P _t ² + R ²	P _w
1877	.128	.256	.005		300304	300307	548

1" Syphon string hanging in annulus Used to unload water only.

d₂ = 3.25"

f_s = .0524



Results

1. *Phragmites australis* (Cav.) Trin. ex Steud.

67.

