

3-RESC Artes  
1-Bill Cutler  
1-L. D. Callaway  
1-Wayne Smith  
2-File  
Initial 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 Mesa Verde County Rio Arriba  
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 4/4/58  
Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 30-5 Well No. 1-22  
Unit A Sec. 22 Twp. 30N Rge. 9W Pay Zone: From 5532' To 6180'  
Casing: OD 7" WT. 23# Set At 5542' Tubing: OD 2-3/8" WT. 4.6# T. Perf. 5680'  
Produced Through: Casing \_\_\_\_\_ Tubing XX Gas Gravity: Measured .567 Estimated \_\_\_\_\_  
Date of Flow Test: From 1/22/58 To 2/1/58 \* Date S.I.P. Measured 8/13/53  
Meter Run Size \_\_\_\_\_ Orifice Size 1.250 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 \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (d)  
Square root chart reading ( \_\_\_\_\_ )<sup>2</sup> x spring constant \_\_\_\_\_ = \_\_\_\_\_ psia (d)  
Meter error (c) - (d) or (d) - (c) \_\_\_\_\_ ± \_\_\_\_\_ = \_\_\_\_\_ 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 (7.45)<sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 555 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 555 psia (i)  
Wellhead casing shut-in pressure (Dwt) 1019 psig + 12 = 1031 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 1020 psig + 12 = 1032 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1032 psia (l)  
Flowing Temp. (Meter Run) 54 °F + 460 \_\_\_\_\_ = 514 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 516 psia (n)

Q = 159 X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}} \right)^* = \text{_____ MCF/da}$   
(Integrated)

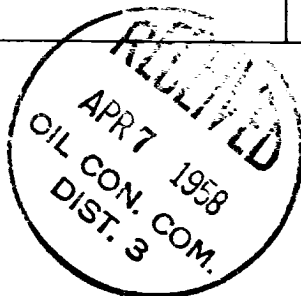
DELIVERABILITY CALCULATION  
D = Q 159  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(1.055)}{1.041} = \text{_____ MCF/da.}$   
 $\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{798,768}{756,999}$

SUMMARY  
P<sub>c</sub> = 1032 psia  
Q = 159 Mcf/day  
P<sub>w</sub> = 555 psia  
P<sub>d</sub> = 516 psia  
D = 166 Mcf/day  
Company PACIFIC NORTHWEST PIPELINE  
By Original signed by G. H. Peppin  
Title District Production Engineer  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-s</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> ) R <sup>2</sup>	P <sub>t</sub> <sup>2</sup> (Column i)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>



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