

Initial Deliverability  
Test

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

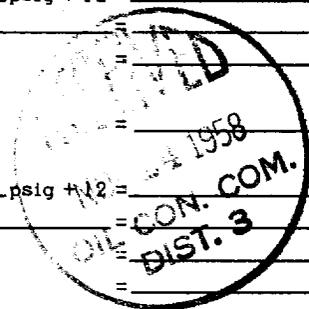
(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA  
EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco-Pictured Cliffs Formation Pictured Cliffs County San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 11-20-58

Operator PAN AMERICAN PETROLEUM CORP. Lease A. L. Elliott #2 Well No. 4  
Unit P Sec. 10 Twp. 29N Rge. 9W Pay Zone: From 240 To 245  
Casing: OD 5-1/2 WT. 34 Set At 2500 Tubing: OD 2-1/2 WT. 2.3 T. Perf. 240  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured 0.632 Estimated \_\_\_\_\_  
Date of Flow Test: From 10-7-58 To 10-15-58 \* Date S.I.P. Measured 7-23-58  
Meter Run Size 4 Orifice Size 2.5000 Type Chart 20, 24 Type Taps Flange

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 ( 4.700 )<sup>2</sup> x sp. const. 5 \_\_\_\_\_ psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ psia (i)  
Wellhead casing shut-in pressure (Dwt) 995 psig + 12 = 1007 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 995 psig + 12 = 1007 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ psia (l)  
Flowing Temp. (Meter Run) 60 °F + 460 \_\_\_\_\_ °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ psia (n)



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

DELIVERABILITY CALCULATION

D = Q 320  $\left[ \frac{(P_c^2 - P_d^2) = \dots}{(P_c^2 - P_w^2) = \dots} \right]^n \cdot 0.017 = \dots$  MCF/da.

SUMMARY

P<sub>c</sub> = 1007 psia Company PAN AMERICAN PETROLEUM CORPORATION  
Q = 320 Mcf/day By H. H. Bauer, Jr.  
P<sub>w</sub> = 320 psia Title Field Engineer  
P<sub>d</sub> = 320 psia Witnessed by \_\_\_\_\_  
D = 320 Mcf/day 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> R <sup>2</sup>	(1-e <sup>-S</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>
	Friction loss negligible						

Furnished by pipeline company.

OK