

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 South Blanco-Pictured Cliffs Formation Pictured Cliffs County Rio Arriba  
Purchasing Pipeline Pacific Northwest Pipeline Corporation Date Test Filed 8-7-57  
Operator PAN AMERICAN PETROLEUM CORP. Lease Jicarilla Contract 146 Well No. 8  
Unit 0 Sec. 9 Twp. 28N Rge. 5W Pay Zone: From 2940 To 2995  
Casing: OD 5 1/2 WT. 14 Set At 3018 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 2955  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .675\* Estimated \_\_\_\_\_  
Date of Flow Test: From 6-24-57 To 7-8-57 \* Date S.I.P. Measured 4-17-57  
Meter Run Size 4" Orifice Size 1.000 Type Chart Sq. Rt. 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 ( 6.3\* ) <sup>2</sup> x sp. const. 15 \_\_\_\_\_ = 595 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 595 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 595 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (j)  
Wellhead tubing shut-in pressure (Dwt) 676 psig + 12 = 890 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 890 psia (l)  
Flowing Temp. (Meter Run) 75 °F + 460 \_\_\_\_\_ = 535 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 445 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) =$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 133\*  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{594,075}{437,864} \times 1.296 = 172$  MCF/da.

SUMMARY

P<sub>c</sub> = 890 psia  
Q = 133 Mcf/day  
P<sub>w</sub> = 595 psia  
P<sub>d</sub> = 445 psia  
D = 172 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION  
By R. M. Bauer, Jr.  
Title Field 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>
1995	.135	1.563	.211	354.025	354.236	595

\*Furnished by the pipeline company.

Note: INITIAL DELIVERABILITY TEST is being filed on the blue colored Form 122-A due to the producing difficulties on the subject well and the inability of the pipeline company to reschedule the well for testing.

CORRECTED ANNUAL DELIVERABILITY TESTS.