

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)

72-160-01

Pool Tapacito PC Formation Pictured Cliffs County Mio Arriba  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease San Juan 27-5 Well No. 29 (P)  
Unit M Sec. 13 Twp. 27 Rge. 9 Pay Zone: From 5550 To 5750  
Casing: OD 7-5/8 WT. 26.4 Set At 3614 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3484  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .674 Estimated \_\_\_\_\_  
Date of Flow Test: From 9/21/58 To 10/1/58 \* Date S.I.P. Measured 6/5/58 (27 days)  
Meter Run Size \_\_\_\_\_ Orifice Size \_\_\_\_\_ 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 ( 7.1 )<sup>2</sup> x sp. const. 10 \_\_\_\_\_ = 504 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 504 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 504 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ 1012 psig + 12 = 1024 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ 1013 psig + 12 = 1025 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 1025 psia (l)  
Flowing Temp. (Meter Run) 62 °F + 460 \_\_\_\_\_ = 522 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 513 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{133} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION  
D = Q 133  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{\text{787456}}{\text{794926}} \right]^n \frac{.9906}{.9920} = \text{132} \text{ MCF/da.}$

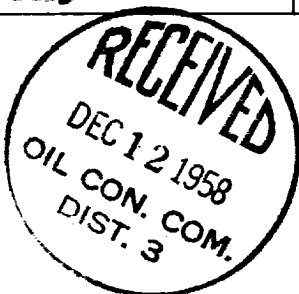
SUMMARY  
P<sub>c</sub> = 1025 psia Company El Paso Natural Gas  
Q = 133 Mcf/day By Original Signed  
P<sub>w</sub> = 506 psia Title Harold L. Kendrick  
P<sub>d</sub> = 513 psia Witnessed by \_\_\_\_\_  
D = 132 Mcf/day Company \_\_\_\_\_

\* 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> (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>
2348	.157	10,719	1683	234016	255699	506

D at 250 = 159



OK

X