

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 Astec Pictured Cliff Formation Pictured Cliff County San Juan  
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease Indriek Well No. 9-P  
Unit H Sec. 29 Twp. 30N Rge. 10W Pay Zone: From 2482 To 2509  
Casing: OD 7 5/8 WT. 26.40 Set At 4460 Tubing: OD 2 WT. 4.7 T. Perf. 4862  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .655 Estimated \_\_\_\_\_  
Date of Flow Test: From 2/20 To 2/28/57 \* Date S.I.P. Measured 8/2/56  
Meter Run Size 4 Orifice Size \_\_\_\_\_ 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 7.15 \_\_\_\_\_ psig + 12 = 256 \_\_\_\_\_ psia (g)  
Square root chart average reading ( 7.15 )<sup>2</sup> x sp. const. \_\_\_\_\_ = 256 \_\_\_\_\_ psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 256 \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 539 \_\_\_\_\_ psia (i)  
Wellhead casing shut-in pressure (Dwt) HV \_\_\_\_\_ psig + 12 = HV \_\_\_\_\_ psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = HV \_\_\_\_\_ psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 551 \_\_\_\_\_ psia (l)  
Flowing Temp. (Meter Run) 63 °F + 460 \_\_\_\_\_ = 523 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 276 \_\_\_\_\_ psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{763} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 763  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{734} \text{ MCF/da.}$   
 $\frac{227,425}{238,065}$   $\frac{.9553}{.9619}$

SUMMARY

P<sub>c</sub> = 551 psia  
Q = 763 Mcf/day  
P<sub>w</sub> = 256 psia  
P<sub>d</sub> = 276 psia  
D = 734 Mcf/day  
Company El Paso Natural Gas  
By Tom Grant  
Title \_\_\_\_\_  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

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

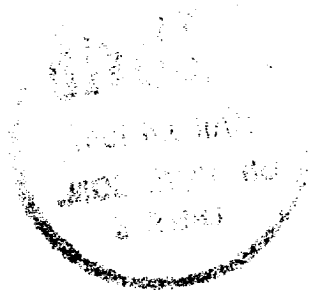
REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-S</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> 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 NEGLECTED

D @ 250 = 755





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