

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 \_\_\_\_\_ Formation \_\_\_\_\_ County \_\_\_\_\_  
Purchasing Pipeline SOUTH PLATONCO PICTURED CLIFF RA  
EL PASO NATURAL GAS CO. Date Test Filed OCT. 25, 1957  
Operator \_\_\_\_\_ Lease \_\_\_\_\_ Well No. \_\_\_\_\_  
Unit SKELLY OIL CO. Sec. 27N Twp. 25N Rge. 2W Pay Zone: From \_\_\_\_\_ To 8  
Casing: OD \_\_\_\_\_ WT. 27N Set At 25N Tubing: OD 27 1/2 WT. 27 1/2 T. Perf. \_\_\_\_\_  
Produced Through: Casing \_\_\_\_\_ Tubing 28 1/2 Gas Gravity: Measured \_\_\_\_\_ Estimated \_\_\_\_\_  
Date of Flow Test: From \_\_\_\_\_ To X \* Date S.I.P. Measured .695  
Meter Run Size \_\_\_\_\_ Orifice Size 1.250 Type Chart SR 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 ( ) <sup>2</sup> x sp. const. \_\_\_\_\_ = \_\_\_\_\_ psia (g)  
Corrected seven day avge. meter press 7.45 (g) + (e) 500 = 256 psia (h)  
 $P_t = (h) + (f)$  \_\_\_\_\_ = \_\_\_\_\_ psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = 256 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 875 psig + 12 = 887 psia (k)  
 $P_c = (j) \text{ or } (k) \text{ whichever well flowed through}$  865 = 877 psia (l)  
Flowing Temp. (Meter Run) \_\_\_\_\_ °F + 460 = 887 °Abs (m)  
 $P_d = \frac{1}{2} P_c = \frac{1}{2} (l)$  60 = 520 psia (n)  
443

FLOW RATE CALCULATION

$Q = \frac{\int \frac{dV}{dt}}{\int \frac{dP}{P}} \times \left( \frac{\sqrt{P_c}}{\sqrt{P_d}} \right) = \text{_____ MCF/da}$

DELIVERABILITY CALCULATION

$D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/da.}$   
535 590,520 .8437 451  
721,233

SUMMARY

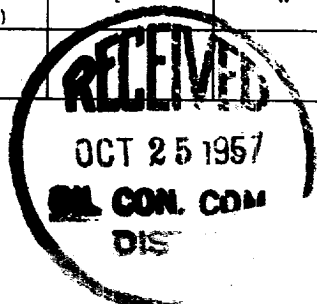
$P_c =$  \_\_\_\_\_ psia  
 $Q =$  887 Mcf/day  
 $P_w =$  535 psia  
 $P_d =$  256 psia  
 $D =$  443 Mcf/day

Company \_\_\_\_\_  
By GELECTRIC, INC.  
Title B H Keyes  
Witnessed by AGENT  
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>



OK

