

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 BALLARD Formation PICTURED CLIFFS County SAN JUAN  
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 4-17-56  
Operator J. GLENN TURNER Lease HUERFANITO UNIT Well No. 30-35  
Unit P Sec. 35 Twp. 27N Rge. 9W Pay Zone: From 2075 To 2161  
Casing: OD 5-1/2" WT. 14# Set At 2075 Tubing: OD 1" WT. 1.7# T. Perf. 2145  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured 0.650 Estimated \_\_\_\_\_  
Date of Flow Test: From 3-8-56 To 3-16-56 \* Date S.I.P. Measured 11-5-56  
Meter Run Size 4" Orifice Size 0.750 Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) \_\_\_\_\_ psi<sub>g</sub> + 12 = \_\_\_\_\_ psia (a)  
Flowing tubing pressure (Dwt) \_\_\_\_\_ psi<sub>g</sub> + 12 = \_\_\_\_\_ psia (b)  
Flowing meter pressure (Dwt) \_\_\_\_\_ psi<sub>g</sub> + 12 = \_\_\_\_\_ psia (c)  
Flowing meter pressure (meter reading when Dwt. measurement taken):  
Normal chart reading \_\_\_\_\_ psi<sub>g</sub> + 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 \_\_\_\_\_ psi<sub>g</sub> + 12 = \_\_\_\_\_ psia (g)  
Square root chart average reading (7.9) <sup>2</sup> x sp. const. 5 \_\_\_\_\_ = 312 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 312 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 312 psia (i)  
Wellhead casing shut-in pressure (Dwt) 584 \_\_\_\_\_ psi<sub>g</sub> + 12 = 596 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 584 \_\_\_\_\_ psi<sub>g</sub> + 12 = 596 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 596 psia (l)  
Flowing Temp. (Meter Run) 42 °F + 460 \_\_\_\_\_ = 502 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 298 psia (n)

FLOW RATE CALCULATION

Q = \_\_\_\_\_ X  $\left( \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/day}$

DELIVERABILITY CALCULATION

D = Q 128  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/day}$

SUMMARY

P<sub>c</sub> = 596 psia  
Q = 128 Mcf/day  
P<sub>w</sub> = 312 psia  
P<sub>d</sub> = 298 psia  
D = 131 Mcf/day

Company J. GLENN TURNER  
By W. H. [Signature]  
Title 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 1)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
<b>Friction negligible</b>						

OK



OIL CONSERVATION COMMISSION		
DISTRICT OFFICE		
Item	Quantity	Remarks
Oil	3	
...	0	
...	1	
...	1	
...	1	
...	1	1