

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 Antero-Fruitland Formation Fruitland County San Juan  
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed March 22, 1956  
Operator Basin Natural Gas Corp Lease Basin Well No. 1  
Unit 1 Sec. 23 Twp. 28N Rge. 11W Pay Zone: From \_\_\_\_\_ To \_\_\_\_\_  
Casing: OD 5 1/2 WT. \_\_\_\_\_ Set At 1444 Tubing: OD 1 WT. \_\_\_\_\_ T. Perf. 1470  
Produced Through: Casing \_\_\_\_\_ Tubing 2 Gas Gravity: Measured .660 Estimated \_\_\_\_\_  
Date of Flow Test: From 1/8/56 To 1/14/56 \* Date S.I.P. Measured \_\_\_\_\_  
Meter Run Size 1" Orifice Size \_\_\_\_\_ Type Chart 24 24 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 ( 6.75 ) <sup>2</sup> x sp. const. 3.00 \_\_\_\_\_ = 336 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 336 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ 630 psig + 12 = 630 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ 630 psig + 12 = 630 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 630 psia (l)  
Flowing Temp. (Meter Run) \_\_\_\_\_ 95 °F + 460 \_\_\_\_\_ = 514 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 315 psia (n)

Q = 492 X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \text{_____ MCF/da}$   
(Integrated)

DELIVERABILITY CALCULATION

D = Q 492  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{_____ MCF/da.}$   
.9017

SUMMARY

P<sub>c</sub> = 630 psia  
Q = 492 Mcf/day  
P<sub>w</sub> = 306 psia  
P<sub>d</sub> = 315 psia  
D = 492 Mcf/day

Company Calcastro, Inc  
By W. J. McCarthy W. J. McCarthy  
Title Agent  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-S</sup> )	(FcQ) <sup>2</sup>	(FcQ) <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>
<u>970</u>	<u>.068</u>	<u>624.062</u>	<u>42.430</u>	<u>52.906</u>	<u>53.482</u>	<u>306</u>



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Exploration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	<input checked="" type="checkbox"/>