

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 Pictured Cliffs County R.A.  
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed March 12, 1956  
Operator C. J. Salazar Lease McDonnell-Campbell Well No. 1  
Unit 1 Sec. 34 Twp. 25N Rge. 6W Pay Zone: From \_\_\_\_\_ To \_\_\_\_\_  
Casing: OD \_\_\_\_\_ WT. \_\_\_\_\_ Set At \_\_\_\_\_ Tubing: OD \_\_\_\_\_ WT. \_\_\_\_\_ T. Perf. \_\_\_\_\_  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .650 Estimated \_\_\_\_\_  
Date of Flow Test: From \_\_\_\_\_ To \_\_\_\_\_ \* Date S.I.P. Measured \_\_\_\_\_  
Meter Run Size 4" Orifice Size \_\_\_\_\_ Type Chart 34 R 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 ( 7.45 ) <sup>2</sup> x sp. const. 5.00 \_\_\_\_\_ = 278 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = \_\_\_\_\_ psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 278 psia (i)  
Wellhead casing shut-in pressure (Dwt) 702 psig + 12 = 714 psia (j)  
Wellhead tubing shut-in pressure (Dwt) 702 psig + 12 = 714 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 714 psia (l)  
Flowing Temp. (Meter Run) 47 °F + 460 \_\_\_\_\_ = 507 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) \_\_\_\_\_ = 357 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{64}{(\text{integrated})} \times \left( \frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{64}{\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{382,347}{432,512} \right]^n \cdot .9005} = 58 \text{ MCF/da.}$$

SUMMARY

P<sub>c</sub> = 714 psia  
Q = 64 Mcf/day  
P<sub>w</sub> = 278 psia  
P<sub>d</sub> = 357 psia  
D = 58 Mcf/day

Company Geolastic, Inc  
By H. J. McDonnelly H. J. M. Connelly  
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> )	(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>

OK



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓