

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)

72-105

Pool N. Los Pinos Formation Dakota County San Juan  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease Allison Well No. 12 (B)  
Unit 0 Sec. 14 Twp. 32 Rge. 7 Pay Zone: From 8082 To 8166  
Casing: OD 5-1/2 WT. 18 Set At 8317 Tubing: OD 2" WT. 4.7 T. Perf. 8099  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .590 Estimated \_\_\_\_\_  
Date of Flow Test: From 12/7/58 To 12/15/58 \* Date S.I.P. Measured 8/11/58 (16)  
Meter Run Size \_\_\_\_\_ Orifice Size \_\_\_\_\_ Type Chart \_\_\_\_\_ Type Taps \_\_\_\_\_

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 (6.95)<sup>2</sup> x sp. const. 10 = 483 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 483 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 483 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (j)  
Wellhead tubing shut-in pressure (Dwt) 2513 psig + 12 = 2325 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 2325 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) \_\_\_\_\_ = 1163 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{4214} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 4214  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{4053056}{4712401} \cdot \frac{.8600}{.8951} = \underline{3764} \text{ MCF/da.}$

SUMMARY

P<sub>c</sub> = 2325 psia  
Q = 4214 Mcf/day  
P<sub>w</sub> = 833 psia  
P<sub>d</sub> = 1163 psia  
D = 3764 Mcf/day

Company El Paso Natural Gas  
By Original Signed  
Title Harold L. Kendrick  
Witnessed by \_\_\_\_\_  
Company \_\_\_\_\_

\* This is date of completion test.

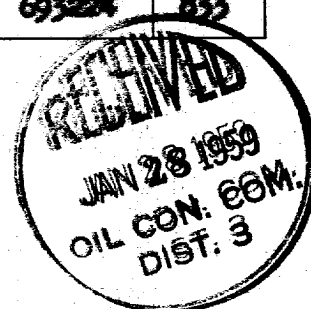
\* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-S</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	$\frac{(F_c Q)^2 (1-e^{-S})}{R^2}$	P <sub>t</sub> <sup>2</sup> (Column i)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
4778	.293	1569744	459,935	233289	693284	833

D at 500 = 4196

OK



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72-104

Pool Blanco Formation Mesa Verde County San Juan  
Purchasing Pipeline El Paso Natural Gas Date Test Filed \_\_\_\_\_

Operator El Paso Natural Gas Lease Allison Well No. 12 (N)  
Unit G Sec. 14 Twp. 32 Rge. 7 Pay Zone: From 5796 To 5870  
Casing: OD 7-5/8 WT. 26.4 Set At 6040 Tubing: OD \_\_\_\_\_ WT. \_\_\_\_\_ T. Perf. \_\_\_\_\_  
Produced Through: Casing X Tubing \_\_\_\_\_ Gas Gravity: Measured .981 Estimated \_\_\_\_\_  
Date of Flow Test: From 12/7/58 To 12/15/58 Date S.I.P. Measured 8/18/58 (23)  
Meter Run Size \_\_\_\_\_ Orifice Size \_\_\_\_\_ Type Chart \_\_\_\_\_ Type Taps \_\_\_\_\_

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: \_\_\_\_\_ = \_\_\_\_\_ psi (f)  
(b) - (c) Flow through tubing: (a) - (c) Flow through casing  
Seven day average static meter pressure (from meter chart):  
Normal chart average reading \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (g)  
Square root chart average reading (6.90) <sup>2</sup> x sp. const. 10 = 476 psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) = 476 psia (h)  
P<sub>t</sub> = (h) + (f) = 476 psia (i)  
Wellhead casing shut-in pressure (Dwt) 1550 psig + 12 = 1562 psia (j)  
Wellhead tubing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through = 1562 psia (l)  
Flowing Temp. (Meter Run) 74 °F + 460 = 574 °Abs (m)  
P<sub>d</sub> = ½ P<sub>c</sub> = ½ (l) = 781 psia (n)

Q = \_\_\_\_\_ X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} = \text{ } \right)^* = \underline{574} \text{ MCF/da}$   
(integrated)

DELIVERABILITY CALCULATION

D = Q 574  $\left[ \frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{1829883}{2213268} \right]^n \frac{.8267}{.8669} = \underline{498} \text{ MCF/da.}$

SUMMARY

P<sub>c</sub> = 1562 psia  
Q = 574 Mcf/day  
P<sub>w</sub> = 476 psia  
P<sub>d</sub> = 781 psia  
D = 498 Mcf/day

Company El Paso Natural Gas  
By Original Signed  
Title Harold L. Kendrick  
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 i)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
			Friction Negligible			

D at 500 = 567

OK



1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps involved in the accounting cycle, from identifying the transaction to posting it to the appropriate ledger account. It also discusses the importance of double-checking entries to ensure accuracy.

3. The third part of the document addresses the issue of reconciling accounts. It explains how to compare the company's records with the bank's records to identify any discrepancies. It provides a step-by-step guide for performing a bank reconciliation and discusses the common reasons for differences between the two sets of records.

4. The fourth part of the document discusses the importance of internal controls. It describes various control measures that can be implemented to reduce the risk of errors and fraud, such as segregation of duties, authorization requirements, and regular audits. It also discusses the role of management in establishing and maintaining a strong internal control system.

5. The fifth part of the document discusses the importance of maintaining accurate financial statements. It explains how the information recorded in the accounting system is used to prepare the balance sheet, income statement, and cash flow statement. It also discusses the importance of reviewing these statements regularly to ensure that they accurately reflect the company's financial position.

6. The final part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud. It also discusses the importance of keeping records for a sufficient period of time to allow for future audits and investigations.