

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 Angels Peak Dakota Formation Dakota County San Juan
Purchasing Pipeline Southern Union Gas Co. Date Test Filed 1-8-60
Operator Three States Nat. Gas Co. Lease Lodewick Well No. 4
Unit F Sec. 18 Twp. 27N Rge. 9W Pay Zone: From 6728 To 6555
Casing: OD 5 1/2 WT. 15.5 Set At 6771 Tubing: OD 2" WT. 4.7 T. Perf. 6693
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .722 Estimated _____
Date of Flow Test: From 12-16-59 To 12-24-59 * Date S.I.P. Measured 9-11-59
Meter Run Size 4.026 Orifice Size 2 1/2 Type Chart Normal Type Taps Pipe

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 (_____) ² 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 385 psig + 12 = 397 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 397 psia (h)
P_t = (h) + (f) _____ = 397 psia (i)
Wellhead casing shut-in pressure (Dwt) 2047 psig + 12 = 2059 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2047 psig + 12 = 2059 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 2059 psia (l)
Flowing Temp. (Meter Run) 87 °F + 460 _____ = 547 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 1030 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right)^n$ = _____ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1001 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.7838^{.75}}$ = 835 MCF/da.
3,178,581
4,055,440

SUMMARY

P_c = 2059 psia
Q = 1001 Mcf/day
P_w = 429 psia
P_d = 1030 psia
D = 835 Mcf/day

Company Three States Natural Gas Company
By Original Signed By John Carothers
Title Assistant District Supt.
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
4832	0.296	88.57	26.2	157,609	183,809	429

OK



1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a very important document, as it contains the President's views on the state of the Union and the progress of the war.

2. The second part of the document is a report from the Secretary of the War Department, dated January 10, 1862. It contains a detailed account of the military operations of the Army during the year 1861.

3. The third part of the document is a report from the Secretary of the Navy Department, dated January 15, 1862. It contains a detailed account of the naval operations of the Navy during the year 1861.

4. The fourth part of the document is a report from the Secretary of the Department of the Interior, dated January 20, 1862. It contains a detailed account of the operations of the Department during the year 1861.

5. The fifth part of the document is a report from the Secretary of the Department of the Treasury, dated January 25, 1862. It contains a detailed account of the operations of the Department during the year 1861.

6. The sixth part of the document is a report from the Secretary of the Department of the State, dated January 30, 1862. It contains a detailed account of the operations of the Department during the year 1861.

7. The seventh part of the document is a report from the Secretary of the Department of the War, dated February 5, 1862. It contains a detailed account of the operations of the Department during the year 1861.

8. The eighth part of the document is a report from the Secretary of the Department of the Navy, dated February 10, 1862. It contains a detailed account of the operations of the Department during the year 1861.