

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 South Elanco P.C. Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed December 21, 1955

Operator Candidate Production Co Lease Candidate Well No. 9
Unit B Sec. 3 Twp. 24N Rge. 7W Pay Zone: From _____ To _____
Casing: OD 9 1/2 WT. _____ Set At 2705 Tubing: OD 1 1/2 WT. _____ T. Perf. 2825
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 11/20/55 To 12/1/55 * Date S.I.P. Measured 10/5/55
Meter Run Size _____ Orifice Size _____ Type Chart Sq. Ed 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 (_____) 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 _____ psig + 12 = _____ psia (g)
Square root chart average reading (6.95) ² x sp. const. 5.00 = 24.2 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ psia (h)
P_t = (h) + (f) _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 86.9 psig + 12 = 98.1 psia (j)
Wellhead tubing shut-in pressure (Dwt) 86.7 psig + 12 = 97.9 psia (k)
P_c = (j) or (k) whichever well flowed through _____ psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 = 867 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ psia (n)

FLOW RATE CALCULATION

Q = 545 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{\underline{545}}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 545 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{471}}$ MCF/day
555,560 .880

SUMMARY

P_c = 98.1 psia
Q = 545 Mcf/day
P_w = 285 psia
P_d = 491 psia
D = 471 Mcf/day

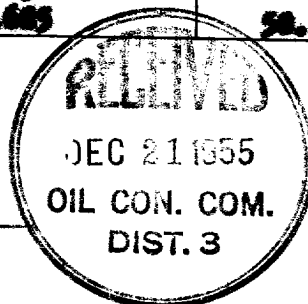
Company Gas Electric, Inc
By H. J. McCarthy H. J. McCarthy
Title Agent
Witnessed by _____
Company _____

* 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>1890</u>	<u>.126</u>	<u>180</u>	<u>22.685</u>		<u>52.544</u>	<u>61.249</u>	<u>285</u>



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	No. FURNISHED	
Quarterly		
Santa Fe	7	
Proration Office		
State Land Office		
U. S. G. S.	1	
Inspector		
File	1	✓