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 _____ Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Co Date Test Filed March 12, 1956

Operator C. J. Warren Lease Warren Well No. 2

Unit M Sec. 4 Twp. 29N Rge. 7W Pay Zone: From _____ To _____

Casing: OD 5½ WT. _____ Set At 2134 Tubing: OD _____ WT. _____ T. Perf. _____

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .655 Estimated _____

Date of Flow Test: From _____ To _____ * Date S.I.P. Measured _____

Meter Run Size 4" Orifice Size _____ Type Chart Sq. Rt. 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 (7.90)^2 x sp. const. 5.00	= 312	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	psia	(h)
P_t = (h) + (f)	= 312	psia	(i)
Wellhead casing shut-in pressure (Dwt) 641	psig + 12 = 653	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 641	psig + 12 = 653	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 653	psia	(l)
Flowing Temp. (Meter Run) 43 °F + 460	= 503	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 326	psia	(n)

FLOW RATE CALCULATION

Q = 9 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = _____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{320,138}{320,065} \right]^n$ .9770 = 9 MCF/da.

SUMMARY

P_c =	653 psia	Company	Consolidated, Inc.
Q =	9 Mcf/day	By	W. J. McCarthy
P_w =	312 psia	Title	Agent
P_d =	326 psia	Witnessed by	
D =	9 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w

OK

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