3-MOCC Artec
1-Bill Cutler
1-L. D. Galloway
1-Wayne Smith
2-File

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 Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline PACIFIC NORTHWEST PIPELINE Date Test Filed 2-25-58

Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 32-8 Well No. 24-19

Unit A Sec. 19 Twp. 32N Rge. 8W Pay Zone: From 5816' To 5368'

Casing: OD 5½" WT. 14.0 Set At 5930' Tubing: OD 1-1/4" WT. 2.4 T. Perf. 5817'

Produced Through: Casing ^ Tubing x x Gas Gravity: Measured _____ Estimated .650

Date of Flow Test: From 1-1-58 To 1-9-58 * Date S.I.P. Measured 9-11-57

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 (_____) ^{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	441 psig + 12 =	453	psia	(g)
Square root chart average reading (_____) ^{2} x sp. const.	=	_____	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	_____	psia	(h)
P_t = (h) + (f)	=	453	psia	(i)
Wellhead casing shut-in pressure (Dwt)	1138 psig + 12 =	1150	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	600 psig + 12 =	612	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1150	psia	(l)
Flowing Temp. (Meter Run)	46 °F + 460 =	506	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	575	psia	(n)

FLOW RATE CALCULATION

$$Q = 33 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_ = \_\_\_ \right)^{*} = 33 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{991,875}{1,117,891} \right]^{n} \frac{(0.8877)^{.75}}{0.9145} = 30 \text{ MCF/da.}$$

SUMMARY

P_c =	1150	psia	
Q =	33	Mcf/day	
P_w =	453	psia	
P_d =	575	psia	
D =	30	Mcf/day	

Company PACIFIC NORTHWEST PIPELINE CORP.
By Original signed by G. H. Peppin
Title District Production Engineer
Witnessed by _____
Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

RECEIVED
FEB 28 1958
OIL CON. COM.
DIST. 3