3 - [illegible]
1 - Cutler
1 - Galloway
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 EL PASO NATURAL GAS COMPANY Date Test Filed 1-9-58

Operator PACIFIC NORTHWEST PIPELINE Lease Rosa Well No. 25-15

Unit H Sec. 15 Twp. 31 Rge. 6 Pay Zone: From 5234' To 5560'

Casing: OD 5-1/2" WT. 14.0 Set At 5630' Tubing: OD 1-1/4" WT. 2.4 T. Perf. 5529'

Produced Through: Casing ____ Tubing XX Gas Gravity: Measured .595 Estimated ____

Date of Flow Test: From 12-8-57 To 12-16-57 * Date S.I.P. Measured 7-8-57

Meter Run Size ____ Orifice Size .750 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	____ psig + 12 =	____	psia	(g)
Square root chart average reading (6.80)^2 x sp. const. 1.000	=	462	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	____	psia	(h)
P_t = (h) + (f)	=	462	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1212	psig + 12 =	1224	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1200	psig + 12 =	1212	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1224	psia	(l)
Flowing Temp. (Meter Run) 58 °F + 460	=	518	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	612	psia	(n)

FLOW RATE CALCULATION

$$Q = 535 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 535 \left[\frac{1,123,632}{1,247,776} \right]^{\frac{(0.9005)\ .75}{0.9278}} = 496 \text{ MCF/da.}$$

SUMMARY

P_c = 1224 psia
Q = 535 Mcf/day
P_w = 500 psia
P_d = 612 psia
D = 496 Mcf/day

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

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3290	0.213	173.502	36.956	213.444	250400	500

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