1 - L.G.Trudy
2 - El Paso Natural Gas (Galloway)
2 - Wayne Smith
1 - 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 MESAVERDE Formation MESAVERDE County RIO ARRIBA

Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed JAN 17 1957

Operator EL PASO NATURAL GAS Lease SAN JUAN UNIT 28-6 Well No. 59-14

Unit M Sec. 14 Twp. 28N Rge. 6W Pay Zone: From 5958 To 5659

Casing: OD 5½ WT. 14 Set At 5700 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5672

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .650

Date of Flow Test: From 12-19-56 To 12-27-56 * Date S.I.P. Measured 9-24-56

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 ____	psig + 12 = ____	psia	(g)
Square root chart average reading (611) ^{2} x sp. const. ____	= 683	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= ____	psia	(h)
P_t = (h) + (f)	= 683	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1102	psig + 12 = 1114	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1096	psig + 12 = 1108	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1108	psia	(l)
Flowing Temp. (Meter Run) 81 °F + 460	= 541	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 554	psia	(n)

FLOW RATE CALCULATION

$Q = 1696$ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} =$ ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{980748}{719780} \right]^{n} (1.1808)^{.75} (1.1356) =$ 1961 MCF/da.

SUMMARY

P_c =	1108	psia	
Q =	1696	Mcf/day	
P_w =	669	psia	
P_d =	554	psia	
D =	1961	Mcf/day	

Company PACIFIC NORTHWEST PIPELINE CORPORATION
By Donald C. Adams
Title Unit Test 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
3687	.835	254,275	59,755	388,129	447,884	669

RECEIVED
JAN 18 '57
OIL CON. COM.
DIST. 3