3-NMOCC Aztec
1-Bill Cutler
1-Wayne Smith
2-Calloway
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 9-25-58

Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 30-5 Well No. 22-17

Unit G Sec. 17 Twp. 30N Rge. 5W Pay Zone: From 5362' To 5602'

Casing: OD 5½" WT. 15.5# Set At 5749' Tubing: OD 1-1/4" WT. 2.4# T. Perf. 5584'

Produced Through: Casing ____ Tubing xxx Gas Gravity: Measured .580 Estimated ____

Date of Flow Test: From 7-7-58 To 7-17-58 * Date S.I.P. Measured 1-21-58

Meter Run Size ____ Orifice Size 1.000 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 (7.15) ^{2} x sp. const. 10.00	=	511 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	____ psia	(h)
	=	511 psia	(i)
P_t = (h) + (f)	1232 psig + 12 =	1244 psia	(j)
Wellhead casing shut-in pressure (Dwt)	1200 psig + 12 =	1212 psia	(k)
Wellhead tubing shut-in pressure (Dwt)	=	1212 psia	(l)
P_c = (j) or (k) whichever well flowed through	=	527 °Abs	(m)
Flowing Temp. (Meter Run) 67 °F + 460	=	606 psia	(n)
P_d = ½ P_c = ½ (l)			

FLOW RATE CALCULATION

Q = 778 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 1,101,708}{(P_c^2 - P_w^2) = 1,130,779} \right]^{.75} (0.9743) \quad 0.9807$ = 763 MCF/da.

SUMMARY

P_c = 1212 psia
Q = 778 Mcf/day
P_w = 582 psia
P_d = 606 psia
D = 763 Mcf/day

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

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3239	0.210	366.876	77.044	261.121	338.165	582

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SEP 24 1958
OIL CON. COM.
DIST. 3