3-NMOCC Aztec
1-Bill Cutler
1-Smith
1-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 PACIFIC NORTHWEST PIPELINE Date Test Filed 5-26-58

Operator PACIFIC NORTHWEST Lease San Juan 29-6 Well No. 44-26

Unit I Sec. 26 Twp. 29N Rge. 6W Pay Zone: From 5020' To 5560'

Casing: OD 5½" WT. 14.0# Set At 5630' Tubing: OD 2-1/4" WT. 2.3# T. Perf. 5547'

Produced Through: Casing ~~ Tubing x x Gas Gravity: Measured .694 Estimated

Date of Flow Test: From 4-21 To 4-29 * Date S.I.P. Measured 8-28-57

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 627	psig + 12 =	639	psia	(g)
Square root chart average reading ( )^2 x sp. const.	=	639	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	639	psia	(h)
P_t = (h) + (f)	=	639	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1102	psig + 12 =	1114	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 999	psig + 12 =	1011	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1114	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	=	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	557	psia	(n)

FLOW RATE CALCULATION

Q = 462 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^*$ = 462 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{930,747}{881,109}\right]^n \frac{(1.162)^{.75}}{1.119}$ = 517 MCF/da.

SUMMARY

P_c = 1114 psia
Q = 462 Mcf/day
P_w = 663 psia
P_d = 557 psia
D = 517 Mcf/day

Company PACIFIC NORTHWEST PIPELINE
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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3850	0.244	129,368	31,566	406,321	438,887	663

OK

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