NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 10-4-77

Company: Northwest Pipeline Corp. — Connection: New Completion — Unit: Cox Canyon

Pool: Blanco — Formation: Pictured Cliffs

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
9-19-77	3368	3363	6601	Cox Canyon Unit

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
2.875	6.4	2.441	3367	From 3260 To 3288	#27
Tbg. Size	Wt.	d	Set At	Perforations:	Unit / Sec. / Twp. / Rge.
				From To	J / 8 / 32 / 11

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas – Tubingless Completion — Packer Set At: None — County: San Juan

Producing Thru: Casing — Reservoir Temp. °F: @ — Mean Annual Temp. °F — Baro. Press. – P_a: 12.0 — State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.665				Positive Choke		

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI								978		SIP
1.	2	X .750	297		72°			297		3 hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		309	.989	1.226	1.029	3702
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ XXXXXXXXXX

Specific Gravity Flowing Fluid XXXXX _____

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

F 990 P_c^2 980100

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		396	156816	823284
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1905$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1597$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4293$

Absolute Open Flow 4293 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n .85

Remarks: Gl 1-c-s F_cQ^2 R^2 P_t^2 $P_t^2+R^2$ Calculated PW

2163 .146 422294 61655 95481 157136 396

Well produced light mist of water with a trace of condensate.

Approved By Commission: — Conducted By: — Calculated By: — Checked By: