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: 8-27-74	
Company: Northwest Pipeline Corporation	Connection: New Completion			Unit: Cox Canyon
Pool: Blanco	Formation: Pictured Cliffs			
Completion Date: 8-7-74	Total Depth: 3534	Plug Back TD: 3509	Elevation: 6698' GL	Farm or Lease Name: Cox Canyon Unit
Csg. Size: 2 7/8" / Wt.: 6.4# / d: 2.441 / Set At: 3528		Perforations: From 3390 To 3428		Well No.: #12
Tbg. Size: / Wt.: / d: / Set At:		Perforations: From To		Unit: I / Sec.: 20 / Twp.: 32 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Tubingless completion		Packer Set At: None		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.635				.750 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							867		11 days
1.	.750 choke						106	65°	3 hours
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	12.365		118	.9952	.9721	1.010	1426
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{772,641}{749,537}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0261$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1463$

calculated PW

Absolute Open Flow 1463 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: GL 1-e-s $Fc0^2$ R^2 Pt^2 $R^2 + Pt^2$ PW
2153 0.145 62659 9086 13924 23010 152
Well blew dry gas throughout test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R.E. Fielder	R.E. Fielder	R.E. Fielder