NEW MEXICO OIL CONSERVATION COMMISSION

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: 10/26/82	
Company: Northwest Pipeline Corporation			Connection: New Completion		
Pool: Gavilan			Formation: Pictured Cliffs		Unit
Completion Date: 10/10/82	Total Depth: 6225'		Plug Back TD: 3930'	Elevation: 7152'	Farm or Lease Name: Jicarilla 93
Csg. Size: ~~7.000~~ 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 3946'-6225'			Perforations: From 3881' To 3912'		Well No.: #12 PC
Tbg. Size: 1.660 / Wt.: 2.33 / d: 1.380 / Set At: 3881'			Perforations: From To		Unit: F / Sec.: 34 / Twp.: 27N / Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Multiple Completion			Packer Set At: 3930'		County: Rio Arriba
Producing Thru: Tubing	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
		est. .680				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	Shut-in Pressure				1003		1003		
1.	2" X .750"	1		57°	1		131		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		13	1.003	1.213	1.004	153
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 _____ XXXXXXXXXX

Specific Gravity Flowing Fluid XXXXX _____

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

Critical Temperature _____ R _____ R

P_c 1015 P_c^2 1030225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		143	20449	1009776
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0203$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0172$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 156$

Absolute Open Flow 156 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Produced light mist of water throughout test. Vented 73 MCF.

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