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: 12/01/82	
Company: Northwest Pipeline Corporation	Connection: New Completion			
Pool: South Los Pinos	Formation: Pictured Cliffs		Unit: San Juan 32-7	
Completion Date: 11/19/82	Total Depth: 3830	Plug Back TD: 3815	Elevation: 6741	Farm or Lease Name: San Juan 32-7 Unit
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 3825'	Perforations: From 3510' To 3688'			Well No.: #80
Tbg. Size: None / Wt. / d / Set At	Perforations: From To			Unit: L / Sec.: 3 / Twp.: 31N / Rge.: 7W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single 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
		est. .679				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				~~1,494~~		1494		
1.	2" X .750"	324		71°	324				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		336	.990	1.214	1.034	4,010
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1,506 P_c^2 2268036

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		438	191844	2076192
2		(calc.)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0924$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0780$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4323$

Absolute Open Flow 4323 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Produced light mist of water with a trace of paraffin. Vented 617 MCF.

Gl	1-e-s	$Fc0^2$	R^2	Pt^2	Pt^2+R^2	Calc. Pw
2383	.159	495486	78782	112896	191648	438