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: 10/25/82	
Company: Northwest Pipeline Corporation			Connection: New Completion		
Pool: Gobernador			Formation: Pictured Cliffs		Unit: San Juan 29-5
Completion Date: 10-03-82	Total Depth: 6250'		Plug Back TD: 3930'	Elevation: 6855'	Farm or Lease Name: San Juan 29-5 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 10.5	d: 6.456 / 4.052	Set At: 4170' / 3970'-6335'	Perforations: From 3724' To 3884'	Well No.: #106 P.C.
Tbg. Size: 1.660	Wt.: 2.33	d: 1.380	Set At: 3838'	Perforations: From To	Unit: K; Sec.: 25; Twp.: 29N; Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: 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: est. .620	% CO_2	% N_2	% H_2S: Prover: Positive Choke; Meter Run; Taps

FLOW DATA NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	Temp. °F	CASING DATA Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	Shut-in Pressure						1106		1106		
1.	2"	X	.750"	49		59°	49		398		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		61	1.001	1.270	1.003	747
2.							
3.							
4.							
5.							

NO.	P_t	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 _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

DEC 1 1982
OIL CON. COM.
DIST. 3

P_c 1118 P_c^2 1249924

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		410	168100	1081824
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1554$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1306$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 845$

Absolute Open Flow 845 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Produced heavy mist of water with a trace of condensate and paraffin. Vented 131 MCF.

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