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: 12/6/79	
Company: Northwest Pipeline Corp.			Connection: New Completion		
Pool: Blanco			Formation: Pictured Cliffs		Unit: San Juan 30-5
Completion Date: 11/8/79	Total Depth: 3750'		Plug Back TD: 3740	Elevation: 6667	Farm or Lease Name: S.J. 30-5 Unit
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 3746			Perforations: From 3644 To 3690		Well No.: 64
Tbg. Size: None / Wt. / d / Set At			Perforations: From To		Unit: J / Sec.: 31 / Twp.: 30N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Tubingless completion			Packer Set At: None		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0		State: New Mexico
L	H	Gg: .620	% CO_2	% N_2	% H_2S	Prover: Positive Choke	Meter Run	Taps

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								1236		SIP
1.	2	X .750	61		60			61		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		73	1.000	1.270	1.007	897
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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 1248 P_c^2 1557504

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		95	9025	1548479
2		(Calc)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0058$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0049$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 901$

Absolute Open Flow 901 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Well producing light mist of water and sand

GI	1-e-s	($Fc Q^2$)	R2	P+2	P+2+R2	Calc.PW
2259	.151	24793	3744	5329	9073	95

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	B.J. Broughton	