NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-24-77	
Company: Northwest Pipeline Corp.		Connection: New Completion			
Pool: Blanco		Formation: Mesa Verde		Unit: San Juan 29-5	
Completion Date: 6-16-77	Total Depth: 5890	Plug Back TD: 5851	Elevation: 6619	Farm or Lease Name: San Juan 29-5 Unit	
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 10.5	d: 6.457 / 4.052	Set At: 3899 / 3728-5886	Perforations: From 5440 To 5830	Well No.: 22A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5828	Perforations: From To	Unit: F, Sec.: 8, Twp.: 29, Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas – Single			Packer Set At: None	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
		.637				orifice meter	4	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					614		678		SIP
1.	4 X 2.750	94	8.3	58°	212		511		3 hrs
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	3.1	8.3	1.002	1.253	1.009	4,237
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c^2 = 690

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		523	273529	202571
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 2.3503 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.8982

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 8043

Absolute Open Flow 8043 Mcfd @ 15.025 Angle of Slope _____ Slope, n .75

Remarks: Variable Choke Set @ 48/64. Produced 3-1/2 bbls of water & 3/4 bbls of condensate

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