MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-25-75	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde		Unit: 29-6 Unit	
Completion Date: 7-18-75	Total Depth: 5960	Plug Back TD: 7864	Elevation: 6689 Gl.	Farm or Lease Name: San Juan 29-6
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 5960	Perforations: From 5270 To 5860			Well No.: 51A
Tbg. Size: 2-3/8 / Wt.: 4.7 / d: 1.995 / Set At: 5843	Perforations: From To			Unit: D / Sec.: 31 / Twp.: 29 / Rge.: 6
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: 750 variable choke	Meter Run: 4"	Taps: flange
		.690						

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	p.s.i.g.	Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 day SIP				778		797		
1.	4 x 2.50	80	7.9	75°	359		622		3 hours
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Diff.	Pressure Meter Static	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.00	7.9	3.0	.9859	1.204	1.008	2.921
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 809 P_c^2 654481

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		634	401956	252,525
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{654481}{252525}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0427$

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

Absolute Open Flow 5,967 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Diff. & static reading from L-10 chart. Coefficient from L-10 chart factor of 3.162 & orifice factor 32.64. Well produced trace of condensate.

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