NEW MEXICO OIL CONSERVATION COMMSSION

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: 12-8-77	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde			Unit: San Juan 29-6
Completion Date: Dec. 1, 1977	Total Depth: 5833	Plug Back TD: 5792	Elevation: 6536	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.# / 10.5#	d: 6.457 / 4.052	Set At: 3754 / 3615-5826	Perforations: From 5302 To 5742
Well No.: #59A				
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5721	Perforations: From To
Unit: I	Sec.: 5	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	Meter Run	Taps
		.650				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.	T·	Duration of Flow
SI					847		882		SI
1.	2 X .750	300		59°	300		738		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		312	1.001	1.240	1.037	3857
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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

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DIST. 3

P_c 894 P_c^2 799236

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		750	562500	236736
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.3761$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.4906$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9606$

Absolute Open Flow 9606 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Well produced medium mist of water with a trace of condensate.

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