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: 10/4/78	
Company: Northwest Pipeline Corporation		Connection: New Completion		
Pool: Blanco		Formation: Mesa Verde		Unit: San Juan 29-6
Completion Date: 9-26-78	Total Depth: 6067	Plug Back TD: 6023	Elevation: 6804	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20.0 / 10.5	d: 6.465 / 4.052	Set At: 4010 / 3682-6065	Perforations: From 5552 To 6000
Well No.: 20A				
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5975	Perforations: From To
Unit: D	Sec.: 8	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: Positive Choke	Meter Run	Taps
		.670						

	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						739		739		SIP
1.	2"	x .750	217		62°	217		564		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		229	.998	1.222	1.025	2749
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 751 P_c^2 564001

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		576	331776	232225
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4287$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.9455$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5348$

Absolute Open Flow 5348 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Well produced a trace of condensate.

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