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: 10-20-76	
Company: Northwest Pipeline Corp.	Connection: New Well		
Pool: Blanco	Formation: Mesa Verde		Unit: San Juan 29-6
Completion Date: 10-7-76	Total Depth: 5699	Plug Back TD: 5597	Elevation: 6413 GR	Farm or Lease Name: San Juan 29-6 Unit

Csg. Size	Wt.	d	Set At	Perforations:		Well No.
7.000	20#		3664	From 5070	To 5586	71A
4.500	11.6#		3451-5613'			

Tbg. Size	Wt.	d	Set At	Perforations:		Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	5560	From	To	O	17	29	6

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Gas - Single	none	Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	@		12.0	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.686				positive choke		

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
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	
SI					849		955		SIP
1.	2 X .750	284		68°	284		745		3 hours
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		296	.992	1.207	1.029	3503
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 _____ 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 967 P_c^2 935089

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		757	573049	362040
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.5828$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0374$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7,137$

Absolute Open Flow 7,137 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	Fred Hamrick js	