NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special			Test Date: 12/27/79	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde		Unit: S.J. 32-8	
Completion Date: 12/16/79	Total Depth: 5960	Plug Back TD: 5900	Elevation: 6502	Farm or Lease Name: S.J. 32-8 Unit
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.5	d: 4.052	Set At: 3845 / 3664-5943	Perforations: From 5470 To 5838 — Well No.: 40
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5850	Perforations: From To — Unit: M, Sec.: 33, Twp.: 32N, Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Single		Packer Set At: None		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg (est)	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.590				postive choke		

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1042		1050		SIP
1.	2	X	.750	196		54°	196		636		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		208	1.006	1.301	1.013	2649
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

P_c 1062 P_c^2 1127844

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		648	419904	707940
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5931$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4180$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,756$

Absolute Open Flow 3,756 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced light mist of water through out test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John Wright	B.J. Broughton	