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: 9/1/78

Company: Northwest Pipeline Corp.	Connection: New Completion	
Pool: South Los Pinos	Formation: Fruitland - Pictured Cliffs	Unit

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
8/23/78	3676	3628	6642	Middle Mesa

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4.500	10.5	5.052	3676	From 3418 To 3597	1

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
1.900	2.9	1.610	3295	From To	M	33	32	7

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Gas - Single	None	San Juan

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
		.691				Positive 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							1411		1438		SIP
1.	2"	x	.750	211		70°	211		842		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		223	.991	1.203	1.023	2612
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

P_c 1450 P_c^2 2102500

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		854	729316	1373184
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5311$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4363$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3752$

RECEIVED
SEP 8 1978
OIL CON. COM.
DIST. 3

Absolute Open Flow 3752 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Well produced medium mist of water with condensate throughout test.

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

BJB/aa