NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☐ Initial ☐ Annual ☐ Special			Test Date: 1/26/77	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Mesa Verde			Unit: San Juan29-6
Completion Date: 12/21/76	Total Depth: 5657	Plug Back TD: 5622	Elevation: 6415	Farm or Lease Name: San Juan 29-6 Unit
Csg. Size: 7.000 / 4.500 — Wt.: 20# / 11.6# — d: 6.456 / 4.00 — Set At: 3659 / 3497-5657		Perforations: From 5062 To 5610		Well No.: 74A
Tbg. Size: 2.375 — Wt.: 4.7 — d: 1.995 — Set At: 5604		Perforations: From To		Unit: I — Sec.: 20 — 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
		.680						

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					720		724		SIP
1.	4 X 2.750	163	8.8	81°	337		572		3hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	4.2	8.8	.980	1.213	1.018	5,814
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 736 P_c^2 541696

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		584	341056	200640
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6998$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.1062$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 12,246$

RECEIVED
JAN 31 1977
OIL CON. COM.
DIST. 3

Absolute Open Flow 12,246 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Varaible choke set at 48/64.

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