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: 10/24/83	
Company: Northwest Pipeline Corporation		Connection: New Completion			
Pool: Basin		Formation: Dakota		Unit: San Juan 30-5	
Completion Date: 9/17/83	Total Depth: 7925'	Plug Back TD: 7912'	Elevation: 6513' KB	Farm or Lease Name: San Juan 30-5 Unit	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.052 / Set At: 7925'	Perforations: From 7813' To 7861'			Well No.: #95	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7764'	Perforations: From To			Unit: H / Sec.: 28 / Twp.: 30 / Rge.: 5	
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
		Est. .590				Positive Choke		

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	SIP						2705		2705		
1.	2"	X	.750"			79°	175	79°	602	79°	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		187	.982	1.302	1.012	2324
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2717 P_c^2 7382089

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		614	376996	7005093
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0538$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0401$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2417$

Absolute Open Flow 2417 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced very light mist throughtout test. Vented 356 MCF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Gip Aulbert	M.J. Turnbaugh	

skl