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: 10-11-77	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Pictured Cliffs		Unit: Cox Canyon	
Completion Date: 9-26-77	Total Depth: 3204	Plug Back TD: 3182	Elevation: 6372 GR	Farm or Lease Name: Cox Canyon Unit
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 3200	Perforations: From 3070 To 3120			Well No.: Com. #19
Tbg. Size: None / Wt. / d / Set At	Perforations: From To			Unit: C / Sec.: 28 / Twp.: 32 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas – Tubingless Completion		Packer Set At: None		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico
L	H	Gg: .665	% CO_2	% N_2	% H_2S	Prover: Positive Choke	Meter Run	Taps

FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI	11 Day SIP						873		SIP
1.	2 X .750	85		62°			85		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	9.402		97	.998	1.226	1.009	1126
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 885 P_c^2 783225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		122	14884	768341
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0194$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0164$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1145$

Absolute Open Flow 1145 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: Well produced light mist of water with a trace of condensate.

Gl	1-e-s	FcQ^2	R^2	Pt^2	$Pt + R^2$	Calc. PW
2042	138	39068	5391	9409	14800	122

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Wilfred Charley	B.J. Broughton	