NEW MEXICO OIL CONSERVATION COMMSSION

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: 10-10-77	
Company: Northwest Pipeline Corp.	Connection: New Completion			
Pool: Blanco	Formation: Pictured Cliffs			Unit: Cox Canyon
Completion Date: 9-23-77	Total Depth: 3394	Plug Back TD: 3363	Elevation: 6571 GR	Farm or Lease Name: Cox Canyon Unit
Csg. Size: 2.875 / Wt.: 6.4 / d: 2.441 / Set At: 3390		Perforations: From 3260 To 3356		Well No.: #20
Tbg. Size: None / Wt. / d / Set At		Perforations: From To		Unit: A / Sec.: 16 / 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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.665				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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI								645		SIP
1.	2	X .750	168		61°			168		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		180	.999	1.226	1.020	2114
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 657 P_c^2 431649

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		229	52441	379208
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1383$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1164$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2360$

Absolute Open Flow 2360 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Well produced small fog of water.

G1	1-e-s	$Fc0^2$	R^2	Pt^2	Pt^2+R^2	PW
2168	.146	137706	20105	32400	52505	229

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

BJB/aa