

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 10-4-77					
Company Northwest Pipeline Corp.				Connection New Completion							
Pool Blanco				Formation Pictured Cliffs				Unit Cox Canyon			
Completion Date 8-29-77		Total Depth 3338		Plug Back TD		Elevation 6546 GR		Farm or Lease Name Cox Canyon Unit			
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3320	Perforations: From 3222 To 3254		Well No. #26					
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit L	Sec. 9	Twp. 32	Rye. 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	G _g .665	% CO ₂	% N ₂	% H ₂ S	Prover Positive Choke		Meter Run	Taps		
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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									755		
1.	2	X	.750	163		68°			163		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	9.604		175	.992	1.226	1.019	2083				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1											
2.											
3.											
4.											
5.											
P _c 767		P _c ² 588289		(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0923$ (2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0780$							
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1		223	49729	538560							
2											
3											
4											
5					AOP = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 2245$						
Absolute Open Flow		2245		Mcf @ 15.025		Angle of Slope θ		Slope, n		.85	
Remarks: G1 1-e-s FcQ ² R ² P _t ² P _t ² +R ² Calculated PW 2143 .144 133697 19253 30625 49878 233											
Well produced very small mist of water with trace of condensate.											
Approved By Commission:			Conducted By: Jack Vescovi			Calculated By: Bobby J. Broughton			Checked By:		

