

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

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 6-12-79	
Company: Northwest Pipeline Corp.				Connection: New Completion	
Pool: Gobernador				Format: Pictured Cliff	
Completion Date: 5-15-79		Total Depth: 3785		Plug Back TD: 3768	
Elevation: 6723 GR		Farm or Lease Name: Gobernador			
Csg. Size: 2.875	Wt.: 6.4	d: 2.441	Set At: 3779	Perforations: From 3732 To 3686	
Tqg. Size: None	Wt.:	d:	Set At:	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: GAS-TUBINGLESS COMPLETION				Packer Set At: NONE	
Producing Thru: Casing				Baro. Press. - P _g : 12.0	
Reservoir Temp. °F: 69.0		Mean Annual Temp. °F:		State: New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover pos choke				Meter Run	
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	2 X .750			255	73°
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
1.	9.604		267	.9877	1.204
2.					
3.					
4.					
5.					
NO.	P _r	Temp. R	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.			A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.			Specific Gravity Separator Gas _____ X X X X X X X X		
3.			Specific Gravity Flowing Fluid _____ X X X X X		
4.			Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.			Critical Temperature _____ R _____ R		
P _c 1097 P _c ² 1203409			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.113$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.096$		
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	
1.		350	122500	1080909	
2.					
3.					
4.					
5.					
Absolute Open Flow: 3415			Mcf @ 15.025		Slope, n: .85
Remarks: _____					
GL: 2575		1-q-s: .171		FcO ² : 299183	R ² : 51160
Pt ² : 71289		Pt ² + r ² : 122449		Calc Pw: 350	
Approved By Commission:		Conducted By: Wilfred Charley		Checked By: R. L. Myers	