

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 02/14/85		FEB 26 1985			
Company Northwest Pipeline Corporation					Connection New Completion					
Pool Basin					Formation Dakota					
Completion Date 01/26/85			Total Depth 7874'		Plug Back TD 7875'		Elevation 6409' GR			
Farm or Lease Name San Juan 30-5 Unit					Unit San Juan 30-5					
Csg. Size 4.500		Wt. 11.6		Set At 4.052		Perforations: From 7790' To 7848'		Well No. #103		
Tubg. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From To		Unit Sec. Twp. Rge. M 3 30N 5W		
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 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico		
L		H		G _g Est. .590		% CO ₂		% N ₂		
								Positive Choke		
FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
SI	SIP						2576		2576	
1.	2"	X	.750"			61	106	61	458	61
2.										
3.										
4.										
5.										
RATE OF FLOW CALCULATIONS										
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd			
1	9.604		118	.999	1.302	1.010	1489			
2										
3										
4										
5										
NO.	P _r	Temp. °R	T _r	Z	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					
F _c 2588 P _c 6697744					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0341$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0255$					
NO.	P _w	P _w ²	P _w ² - P _w ²							
1	470	220900	6476844							
2										
3										
4										
5										
Absolute Open Flow 1527					Mcf @ 15.025		Angle of Slope θ		Slope, r .75	
Remarks: Produced very light mist throughout test. Vented 259 MCF.										
Approved By Commission:				Conducted By: Gip Aulbert			Calculated By: M.J. Turnbaugh		Checked By:	