

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

Form C-122
Revised 5-1-65

Type Test		☒ Initial ☐ Annual ☐ Special		Test Date 6/26/79	
Company Northwest Pipeline Corp.			Connection New Completion		
Pool Blanco Pictured Cliffs			Formation Pictured Cliffs		Unit San Juan 30-5 Unit
Completion Date 5-31-79		Total Depth 3720		Plug Back TD 3704	Elevation 6597 GR
Farm or Lease Name S.J. 30-5 Unit					Well No. #63PC
Sec. Size 2.875	Wt. 6.5	d 2.441	Set At 3705	Perforations: From 3589 To 3616	
Trq. Size NONE	Wt.	d	Set At	Perforations: From To	
Type well - Single - Broadhead - G.G. or G.O. Multiple GAS-TUBINGLESS COMPLETION			Packer Set At NONE		County Rio Arriba
Producing Thru Casing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12.0	
Baro. Press. - P _c 12.0		State New Mexico			
L	H	Gg .60 (est)	% CO ₂	% N ₂	% H ₂ S
Prover			Meter Run		
Pos. Choke			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	
1	2"	X	.750	80		60°			1170		SIP
2									80		3 hrs
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, Mscf/d
1	9.604		92	1.000	1.291	1.007	1149
2							
3							
4							
5							

NO.	P _r	Temp. °R	$\bar{\mu}$	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X 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					

P _r 1182	P _c 1397	P _w 124	P _c ² - P _w ² 1382724	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.010$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.009$
NO.	P _r	P _w	P _c ² - P _w ²	ACF = 2 $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1159$	
1		120	14400		
2					
3					
4					

Absolute Open Flow 1159		Mscf/d = 15.025	Angle of Slope =	Slope, n .85
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Remarks:					
GL	1-e-s	(Fc02)	R2	Pt2	Pt2 + R2
2170	.146	40680	5939	5939	14403
Approved By Commission:		Conducted By:		Checked By:	
		F. S. Hamrick		R. L. Myers	
				B. J. Broughton	