

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6/3/75	
Company Northwest Pipeline Corp.				Connection New Completion		
Pool Basin				Formation Dakota		Unit San Juan 29-5 Unit
Completion Date 5/24/75		Total Depth 8070		Plug Back TD 8060		Elevation 6687 GL
Csg. Size 4-1/2	Wt. 11.6&10.5	d 	Set At 8070	Perforations: From 7970 To 8050		Well No. #75
Tbg. Size 2-3/8"	Wt. 4.7	d 	Set At 8027	Perforations: From To		Unit Sec. Twp. Rye. M 22 29 5
Type Well - Single - Brazenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At		County Rio Arriba
Producing Thru Tbg		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico
L	H	Gg .585	% CO ₂	% N ₂	% H ₂ S variable ck. 3/4	Meter Run 4"
						Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Meter p.s.i.g.	Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							2711		2712		SIP
1.		2.750		109	7.2	86°	497		1049		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	METER DIFF.	Pressure METER STATIC	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	7.2	3.48	.9759	1.307	1.009	4191
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.										
2.										
3.										
4.										
5.										

$P_c = 2724$ $P_c^2 = 7420176$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{7420176}{6294455} \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1313$	
NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		1061	1125721	6294455		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4741$				
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Absolute Open Flow 4741 Mcfd @ 15.025		Angle of Slope ° Slope, n .75	
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Remarks: Diff. & Static reading from L-10 chart. Coefficient from L-10 chart factor of 3.162 & orifice factor of 41.10. Well produced 5 bbls of water.	
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Approved By Commission:	Conducted By: Bobby J Broughton	Calculated By: Bobby J Broughton	Checked By:
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