

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 4/14/75	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit	
Completion Date 4/6/75		Total Depth 8060		Plug Back TD 8043		Elevation 6637	
Farm or Lease Name S.J. 29-5 Unit							
Csg. Size 4.500		Wt. 10.5 & 11.6		Set At 8059		Perforations: From 7912 To 8008	
Tbg. Size 2.375		Wt. 4.7		Set At 7996		Perforations: From To	
Well No. 70							
Unit Sec. Twp. Rge. H 28 29 5							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Single						Packer Set At None	
Producing Thru Tbg		Reservoir Temp. °F 60		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0	
County Rio Arriba							
State New Mexico							
L		H		Gg		% CO ₂	
				.60			
				% N ₂		% H ₂ S	
						3/4 ck	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	8 day SIP						
2.	2 X .750			223		68°	3 hrs
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	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		235	.9924	1.000	1.020	2,941
2.							
3.							
4.							
5.							
NO.	P _r	Temp.	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ XXXXXXXXXX Specific Gravity Flowing Fluid _____ XXXXX Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R			
1.							
2.							
3.							
4.							
5.							
P _c 2520 P _c ² 6350400				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{6350400}{5612519}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0971$			
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,226$		
1		859	737881	5612519			
2							
3							
4							
5							
Absolute Open Flow 3,226 Mcfd @ 15.025				Angle of Slope ϕ		Slope, n .75	
Remarks: Well produced medium mist of water & some distillate thru-out test.							
Approved By Commission: _____ Conducted By: BJB Calculated By: Bobby J. Broughton Checked By: BJB							