

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 11/6/84			
Company Northwest Pipeline Corporation				Connection New Completion					
Pool Basin				Formation Dakota				Unit San Juan 31-6	
Completion Date 9/18/84		Total Depth 7859'		Plug Back TD 7806'		Elevation 6305' KB		Farm or Lease Name San Juan 31-6 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7859'	Perforations: From 7672' To 7687'		Well No. #51			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 7686'	Perforations: From To		Unit Soc. Twp. Rge. K 5 30 6			
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 @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg Est. .590	% CO ₂	% N ₂	% H ₂ S	Prover Choke Positive		Meter Run	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	
SI	SIP						2891		2900		
1.	2"	X	.750"			62°	56	62°	222	62°	3 Hrs.
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		68	998	1.302	1.006	854
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	RECEIVED NOV 19 1984 OIL CON. DIV. DIST. 3
1					A.P.I. Gravity of Liquid Hydrocarbons	
2					Specific Gravity Separator Gas	
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	
5					Critical Temperature	

P _c 2912	P _c ² 8479744	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0065$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0049$
NO. 1	P _t ² 234	P _w ² 54756	P _c ² - P _w ² 8424988
2			
3			
4			
5			

Absolute Open Flow 858 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
Remarks: Produced light mist after heavy fog for 1 hour. Vented 132 MCF.			
Approved By Commission:	Conducted By: Chik Charley	Calculated By: M.J. Turnbaugh	Checked By: