

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 10-04-81	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 30-5	
Completion Date 9-24-81		Total Depth 8010'		Plug Back TD 7995'		Elevation 6539'	
Csg. Size 4.500		Wt. 10.5		Set At 4.052		Perforations: From 7835' To 7898'	
Tng. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From To	
Type Well - Single - Brasshead - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		G _g est. .60		% CO ₂ % N ₂ % H ₂ S positive choke	
						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	
1.	2"	X	.750	144		71	2655 144		2657 643		SIP 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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1.	9.604		156	.990	1.291	1.015	1944
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

P _r 2669	P _r ² 7123561	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0641$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0477$
NO. 1	P _r ² 655	P _w 429025	P _w ² 6694536
2.			
3.			
4.			
5.			

Absolute Open Flow 2037 Mcfd @ 15.025		Angle of Slope α _____	Slope, n .75
Remarks: Produced heavy mist of water throughout test. Vented 281 MCF.			

Approved by Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: [Signature]
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