

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 2-17-82	
Company Northwest Pipeline Corporation				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit San Juan 32-8
Completion Date 11-19-81		Total Depth 8078'		Plug Back TD 6020'		Elevation 6580'
Csg. Size 5.500		Wt. 17.0	d 4.892	Set At 8078'	Perforations: From 5365' To 5871'	
Tng. Size 1.660		Wt. 2.3	d 1.380	Set At 5719'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 6020'		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
State New Mexico		L H		G _g est. .590	% 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"	45		52 ⁰	479	45	479		SIP
2.											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 _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		57	1.008	1.301	1.006	722
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 _c 491 P _c ² 241081		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6858$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0980$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1		389	151321	89760	
2					
3					
4					
5					

Absolute Open Flow 1515 _____ Mcfd @ 15.025		Angle of Slope ϕ _____		Slope, n .75	
Remarks: Produced light mist of water throughout test. Vented 130 MCF.					

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: <i>[Signature]</i>
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