

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 8-03-81	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 7-23-81		Total Depth 5907'	Plug Back TD 5870'
Elevation 6591'		Unit San Juan 30-5	
Form or Lease Name San Juan 30-5 Unit		Well No. #9A	
Gas GOR 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 3918' 3728'-5905'
Perforations: From 5467' To 5834'		Well No.	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 5737'
Perforations: From To		Unit Sec. Twp. Rge. E 32 30N 5W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
County Rio Arriba		State New Mexico	
Producing Thru Tubing	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
L	H	G _g est. .595	% 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	146		60°	814 146		814 394		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 _{sp}	Rate of Flow Q, Mscf
1.	9.604		158	1.000	1.296	1.010	1986
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity of Gas	X X X X X X X X
3.					Specific Gravity of Flowing Fluid	X X X X
4.					Critical Pressure P.S.I.A.	P.S.I.A.
5.					Critical Temperature °R	°R

P _c 826	P _c ² 682276	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3186$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2305$
NO. 1	P _r ² 406	P _w ² 164836	P _c ² - P _w ² 517440
2.			
3.			
4.			
5.			

Absolute Open Flow 2444		Mcf @ 15.025	Angle of Slope °	Slope, n 75
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Remarks: Produced light mist of water throughout test. Vented 278 MCF.

Approved by Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: BJB
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BJB/skw