

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 6-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Date: 6-8-77	
Company: Northwest Pipeline Corp.				Connection: New Completion	
Pool: Blanco				Formation: Mesa Verde	
Completion Date: 5-29-77		Total Depth: 5781		Plug Back TD: 5744	
Elevation: 6490		Farm or Lease Name: San Juan 29-5 Unit			
Flow Size: 7.000	Wt. 20.0	d n	Set At 3780	Perforations: From 5310 To 5714	
4.500	10.5		3661-5777		
Flow Size: 2.375	Wt. 4.7	d 1.995	Set At 5725	Perforations: From To	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple				Packer Set At: none	
Gas Single				County: Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a : 12.0	
		a		State: New Mexico	
L	H	G _g .668	% CO ₂	% N ₂	% H ₂ S
			Prover: orifice meter		Meter Run: 4"
					Taps: flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							634		768	SIP
1.	4	x 2.750		84	8.4	54°	423		618	3hours
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	130.00	3.1	8.4	1.006	1.224	1.009	4,206
2							
3							
4							
5							

NO.	P _t	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 780		P _c ² 608400		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.8766$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2088$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		630	396300	211500			
2							
3							
4							
5							

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9290$			
---	--	--	--

Absolute Open Flow: 9290	Mcf @ 15.025	Angle of Slope @	Slope, n: .75
--------------------------	--------------	------------------	---------------

Remarks: Well produced .5 bbls of water with a trace of condensate. Variable choke set @ 48/64.

Approved By Commission:	Conducted By: B.J. Broughton	Calculated By: B.J. Broughton	Checked By:
-------------------------	------------------------------	-------------------------------	-------------