

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 11-12-74			
Company Northwest Pipeline Corporation				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 30-5	
Completion Date 11-4-74		Total Depth 5720'		Plug Back TD 5676'		Elevation 6310' GL		Farm or Lease Name San Juan 30-5 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5716	Perforations: From 5172 To 5650		Well No. 40			
Thq. Size 2-3/8	Wt. 4.6	d 1.995	Set At 5624	Perforations: From To		Unit N 33 30 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At none		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .630	% CO ₂	% N ₂	% H ₂ S	Prover pos. ck.	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	7 day	slp					1030		1030		
1.	750 pos choke			261		71	261		615		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		273	.9896	.9759	1.023	3,335
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

$P_c = 1042$ $P_c^2 = 1,085,764$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,085,764}{692,635}$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4010$
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²		
1		627	393,129	692,635		
2.						
3.						
4.						
5.						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,672$			
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Absolute Open Flow <u>4,672</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>.75</u>
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Remarks: <u>Well produced dry gas through-out test.</u>			
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Approved By Commission:	Conducted By: Bobby Broughton	Calculated By: Bobby Broughton	Checked By: <i>[Signature]</i>
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