

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 10-11-76		10-11-76	
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 10-2-76		Total Depth 5799		Plug Back TD 5777		Elevation 6557		Farm or Lease Name Cox Canyon Unit	
Cap. Size 7.000	Wt. 20#	d 6.456	Set At 3651'	Perforations: From 5027 To 5682		Well No.			
Thq. Size 4.500	Wt. 10.5#	d 4.052	Set At 3402-5795	Perforations: From To		Unit Sec. Twp. Rge.			
2.375		4.7		1.995		5664		P 21 32 11	
Type Well - Single - Pradenhod - G.G. or G.O. Multiple Gas single						Packer Set At none		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 0		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .669	% CO ₂	% N ₂	% H ₂ S	Prover Orifice	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.	Temp. °F	
SI							635		702		SIP
1.	4 x 2.500			105	9.5	53°	331		598		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.21	3.4	9.5	1.007	1.223	1.014	4163
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 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	

NO.	P ₁ ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7023$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.6690$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11,111$
1		610	372100	137696	
2					
3					
4					

Absolute Open Flow 11,111 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: **Variable choke set @ 48/64. Well produced 4 hbbls. of water with a trace of condensate.**

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