

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 10-11-77			
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Pictured Cliffs				Unit Cox Canyon	
Completion Date 9-26-77		Total Depth 3204		Plug Back TD 3182		Elevation 6372 GR		Farm or Lease Name Cox Canyon Unit	
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3200	Perforations: From 3070 To 3120		Well No. Com. #19			
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. C 28 32 11			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion						Packer Set At None		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover 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
SI	11 Day SIP									873	SIP
1.	2	X	.750	85		62 ⁰			85		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	9.402		97	.998	1.226	1.009	1126
2.							
3.							
4.							
5.							

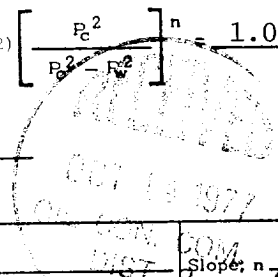
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2.					Specific Gravity Separator Gas _____ X X X X X X X X			
3.					Specific Gravity Flowing Fluid _____ X X X X X			
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.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

P _c 885	P _c ² 783225		
NO.	P _t ²	P _w	P _w ²
1		122	14884
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0194$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1145$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0164$$



Absolute Open Flow 1145 Mcfd @ 15.025				Angle of Slope θ _____	
Remarks: Well produced light mist of water with a trace of condensate.					
G1	1-e-s	FcQ ²	R ²	Pt ²	Pt + R ²
2042	138	39068	5391	9409	14800
Approved By Commission:		Conducted By: Wilfred Charley		Checked By: B.J. Broughton	