

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 3/6/78	
Company Northwest Pipeline Corp.			Connection New Completion		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date Feb. 25, 1978		Total Depth 6060	Plug Back TD 6028	Elevation 6763	Farm or Lease Name San Juan 29-6
Csg. Size 4.000	Wt. 20.0	d 6.465	Set At 3981	Perforations: From 5490 To 6022	Well No. #41A
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6009	Perforations: From To	Unit Sec. Twp. Rge. J 24 29 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a 12.0	State New Mexico
L	H	Gg .690	% CO ₂	% N ₂	% H ₂ S
				Prover 3/4" 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	233		60°	831		846		SIP
2.							233		631		3 hrs.
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	9.604		245	1.000	1.204	1.025	2904
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

P _c 858	P _c ² 736164	
NO.	P _t ²	P _w ²
1		643
2		413449
3		322715
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2812$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5390$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8562$

Absolute Open Flow	5390	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: Fred S. Hamrick	Checked By:
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