

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

Form C-122
Revised 5-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1/2/79	
Company Northwest Pipeline Corp.		Connection New Well	
Pool Blanco		Formation Mesa Verde	
Completion Date Dec. 16, 1978		Total Depth 6134	
Plug Back TD 6101		Elevation 6723	
Csg. Size 4.500		Well No. #39	
Wt. 20.0		Perforations: From 5704 To 6067	
d 4.052		Set At 3863-4030	
Trq. Size 2.375		Unit A	
Wt. 4.7		Sec. 3	
d 1.995		Twp. 31	
Set At 6073		Rge. 8	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas - Single		Focker Set At None	
Producing Thru Tubing		County San Juan	
Reservoir Temp. °F 8		State New Mexico	
Mean Annual Temp. °F 12.0		Baro. Press. - P _a	
L H		Prover Meter Run	
Gg .588		Tops	
% CO ₂		% N ₂	
% H ₂ S		Prover .750	

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	
1.	2"	x	.750	181		55°	510	1140	SIP
2.							181	514	3 hr..
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		193	1.005	1.304	1.013	2461
2.							
3.							
4.							
5.							

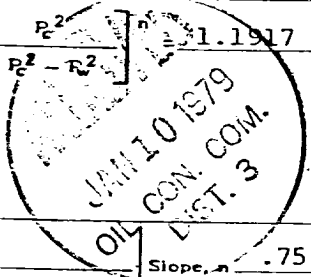
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				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

P _c 1152	P _c ² 1327104
NO. 1	P _t ² 526
2	P _w 276676
3	P _w ² 1050428
4	P _c ² - P _w ²
5	

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2634$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2933$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1917$



Absolute Open Flow 2933	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Well produced heavy water @ start of test then cleared to medium mist.

Approved By Commission:	Conducted By: F.S. Hamrick	Calculated By: F.S. Hamrick	Checked By: R. J. Broughton
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