

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 7-1-80	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 6-16-80		Total Depth 8080		Plug Back TD	
Csg. Size 4.500		Wt. 10.5		Set At 8080	
Tub. Size 2.375		Wt. 4.7		Set At 7940	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At None	
Gas - Single				County Rio Arriba	
Producing Thru Tubing				Baro. Press. - P _a 12.0	
L H C _g est. .585 % CO ₂ % N ₂ % H ₂ S				Prover Pos. Choke	
State New Mexico					
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			199		75°	199		776		SIP
2.											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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		211	.986	1.307	1.012	2643
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 Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 2879	P _c ² 8288641		
NO. 1	P _r ² 788	P _w ² 620944	P _c ² - P _w ² 7667697
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0810$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2802$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0601$

Absolute Open Flow	2802	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Produced light mist throughout test

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