

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 3-31-81	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 3-17-81		Total Depth 8035'		Elevation 6537'	
Csg. Size 4.500		Set At 8035'		Perforations: From 7924' To 7950'	
Tbg. Size 2.375		Set At 7929'		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _a 12.0	
L H		G _g % CO ₂ % N ₂ % H ₂ S		Prover positive choke	
		.60		Meter Run Taps	
FLOW DATA				CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Temp. °F
SI					
1.	2"	X	.750	197	59 ⁰
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 F _g
1	9.604		209	1.001	1.291
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbon
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure
5.					Critical Temperature
Mcf/bbl. Deg. X X X X X X X X P.S.I.A. P.S.I.A. R					
APR 8 1981 OIL CONX 63MX DIST. 3					
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0703$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0523$
1	2841	728	529984	7541297	
2					
3					
4					
5					
AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2,773$					
Absolute Open Flow <u>2,773</u> Mcfd @ 15.025 Angle of Slope @ Slope, n <u>75</u>					
Remarks: <u>Well produced medium mist of water throughout test. Vented 375 MCF</u>					
Approved By Commission:		Conducted By: Fred S. Hamrick		Checked By: B.J. Broughton	

BOS/skw