

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 7/17/85	
Company Northwest Pipeline Corporation			Connection New Completion		
Pool Basin			Formation Dakota		Unit Rosa
Completion Date 7/26/84		Total Depth 8090'	Plug Back TD 8039'	Elevation 6400' GR	Farm or Lease Name Rosa Unit
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8090'	Perforations: From 7867' To 8018'	Well No. #59 (DK)
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 8000'	Perforations: From To	Unit Sec. Twp. Rye. N 25 31N 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual				Packer Set At 7277'	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 Est. .590	% CO ₂	% N ₂	% H ₂ S Positive Choke

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	SIP						2395				
1.	2"	X	.750"			74 ⁰	195	74 ⁰			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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		207	.987	1.302	1.016	2596
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	XXXXXXX
3					Specific Gravity Flowing Fluid	_____
4					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5					Critical Temperature _____ R	_____ R

P _c 2407	P _c ² 5793649	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0388$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0289$
NO	P _t ²	P _w	P _w ²
1		465	216225
2		(Calc.)	
3			
4			
5			

Absolute Open Flow 2671		Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n, 75
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Remarks: Blew to heavy mist in 1 min. and produced throughout test. Vented 325 MCF.					
G ₁	i-e-s	FcQ ²	R ²	Pt ²	R ² +Pt ²
4720	.291	595731	173358	42849	216207
				Calc. P _w 465 psia	

Approved By Commission:	Conducted By: Chik Charley	Calculated By: S.K. Liese	Checked By: M.J. Turnbaugh
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SKI