

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 7/16/85	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 1/2/85		Total Depth 8488'	Plug Back TD 8430'
		Elevation 6620' GR	Farm or Lease Name Rosa Unit
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8482'
		Perforations: From 8200' To 8352'	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8358'
		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual		Packer Set At 7768'	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
		State New Mexico	
L	H	G _a Est. .600	% 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
1.	SIP 2" x .750"	92°	152
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$-\sqrt{h_w P_m}$	Pressure P _m
1.	9.604		164
2.			
3.			
4.			
5.			
NO.	R _f	Temp. °R	T _f
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbon _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R			
P _c 1862 P _c ² 346,044 NO. P _t ² P _w P _w ² P _c ² - P _w ² 1 368 135424 3331620 2 (Calc.) 3 4 5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0406$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0303$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.061$			
Absolute Open Flow 2,061		Mcf/d @ 15.025	Angle of Slope θ
Slope, n .75			
Remarks: Well logged in 5 mins. unloaded water to heavy mist. Vented 250 MCF.			
G _l	i-e-s	F _c Q ²	R ²
5015	.306	353590	108199
Approved By Commission:		Conducted By:	Calculated By:
		Chik Charley	S.K. Liese
		Checked By:	M.J. Turnbaugh

skl