

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 5/2/75	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Basin				Formation Dakota		Unit San Juan 29-5	
Completion Date 4/25/75		Total Depth 8098		Plug Back TD 8089		Elevation 6736 KB	
Farm or Lease Name San Juan 29-5 Unit							
Csq. Size 4/500	Wt. 10.5	d 	Set At 8097	Perforations: From 7992 To 8084		Well No. 69	
Tbg. Size 2.375	Wt. 4.7	d 	Set At 8080	Perforations: From To		Unit Sec. Twp. Rge. I 21 29 5	
Type Well - Single - Bradenhead - G.G. or C.O. Multiple Gas-Single				Packer Set At		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12.0	
State New Mexico							
L	H	Gg .594	% CO ₂	% N ₂	% H ₂ S	Prover	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.	
SI	7 day SIP						2631		2631	
1.	2X .750			293		79°	293		1059	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	12.365		305	.9822	1.005	1.021	3801
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °F	Temp. °R	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.				Specific Gravity Separator Gas _____ XXXXXX XXXX
3.				Specific Gravity Flowing Fluid _____ XXXXX
4.				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				Critical Temperature _____ R _____ R

P _c 2643	P _c ² 6985449	
NO	P _t ²	P _w
1		1071
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{6985449}{5838408}$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1440$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4348$			

Absolute Open Flow	4348	Mcf/d @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Well produced medium mist of water for one hr-then very light mist thereafter.

Approved By Commission:	Conducted By: Ross Lankford	Calculated By: Bobby Broughton	Checked By: B.B.B.
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