

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 12/23/77	
Company Northwest Pipeline Corp.				Connection New Completion		
Pool Gavilan				Formation Pictured Cliffs		Unit
Completion Date 12/7/77		Total Depth 4110		Plug Back TD 4098		Elevation 7212 GR
Farm or Lease Name Jicarilla 92						
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 4098	Perforations: From 4013 To 4056		Well No. #12
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. P 30 27 3
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		County Rio Arriba
Producing Thru Casing		Reservoir Temp. °F a		Mean Annual Temp. °F		State New Mexico
L	H	Gg .691	% CO ₂	% N ₂	% H ₂ S	Prover Positive Choke
			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	
SI									951		SIP
1.	2"	X	.750	108		56°			108		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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		120	1.004	1.203	1.014	1411
2.							
3.							
4.							
5.							

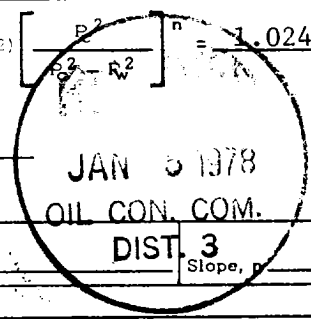
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas _____ X X X X X X X X		
3.					Specific Gravity Flowing Fluid _____ X X X X X		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.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

P _c 963	P _c ² 927369		
NO.	P _t ²	P _w	P _w ²
1		160	25600
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0284$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1445$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0241$$



Absolute Open Flow 1445 Mcfd @ 15.025		Angle of Slope e _____	
Remarks: Light mist with trace of condensate.			
G1	1-e-s	FcQ ²	R ²
Pt ²	Pt ² +R ²	PW	
2773	.183	61347	11227
14400	25627	160	
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Fred S. Hamrick	