

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 01-05-82	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Blanco				Formation Mesa Verde	
Completion Date 12-24-81		Total Depth 6440'		Plug Back TD 6360'	
		Elevation 7007'		Unit San Juan 32-8	
Completion Date 12-24-81		Total Depth 6440'		Form or Lease Name San Juan 32-8 Unit	
Choke 7.600	Wt. 20.0	d 6.456	Set At 4350'	Perforations: From 5940' To 6330'	
4.500	10.5	4.052	4145'-6440'	Well No. #46 MV	
Req. Size 2.375	Wt. 4.7	d 1.995	Set At 6273'	Unit Sec. Twp. Rge. H 14 32N 8W	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 4050'	
Producing Thru Tubing		Reservoir Temp. °F 6		Mech Annual Temp. °F 12.0	
L		H		State New Mexico	
Gg est. .588		% CO ₂		% N ₂	
				% H ₂ S	
				positive choke	
FLOW DATA				TUBING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Temp. °F
1.	2"	X	.750	118	56°
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
1	9.604		130	1.004	1.304
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 _____ 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 1166	P _c ² 1359556				
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0571$
1		271	73441	1286115	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0425$
2		(calc)			
3					
4					
5					
Absolute Open Flow 1721				Mcf @ 15.025	
Angle of Slope @				Slope, n .75	
Remarks: Produced medium mist of water throughout test. Vented 206 MCF.					
G1	1-e-s	FcQ ²	R ²	Pt ²	Pt ² + R ²
3689	.235	240954	56624	16900	73524
Calculated By: B.J. Broughton				Checked By: BJB	
Approved By Commission:		Conducted By: Fred S. Hamrick		Slope, n .75	

RJB/skw