

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 12-09-82	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 11-28-82		Total Depth 6430'	Plug Back TD 6382'
		Elevation 6975'	Form or Lease Name San Juan 32-8 Unit
CS: 000 4.500	Wt. 23.0 10.5	d 6.366 4.052	Set At 4279' 4097'-6427'
Perforations: From 6029' To 6342'		Well No. #49 MV	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 6277'
Perforations: From To		Unit Sec. Twp. Rge. A 15 32N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion		Packer Set At 4050'	County San Juan
Producing Thru Tubing	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
State New Mexico			
L	H	G _g est. .588	% CO ₂ % N ₂ % H ₂ S
		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
51	Shut-in Pressure										
1.	2"	X	.750"	91		61°	1173		91		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		103	.999	1.304	1.006	1,296
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.
5.					Critical Temperature	R

P _c 1185	P _c ² 1404225					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0339$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0249$
1		213	45369	1358856		
2						
3						
4						
5						

Absolute Open Flow 1328 Mcfd @ 15.025		Angle of Slope @	Slope, n .75
Remarks: Produced medium mist of water throughout test. Vented 203 MCF.			
G1	1-e-s	FcQ ²	R ²
3691	.235	148474	34891
		Pt ²	Pt ² +R ²
		10609	45500
		Calc. Pw 213 PSIA	
Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: BJB