

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

RECEIVED

Form C-122
Revised 9-1-66

JAN 27 1982

OIL CON. DIST. 1

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12/03/82	
Company Northwest Pipeline Corp.		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 11/22/82		Total Depth 6130'	Plug Back TD 6050'
Elevation 6658'		Farm or Lease Name San Juan 32-7 Unit C	
Cy. Gas 4.500	Wt. 23.0	d 6.456	Set At 4015'
Perforations: From 5588'	To 6004'	Well No. #81	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5913'
Type Well - Single - Brdhead - G.G. or G.O. Multiple Gas - Single Completion		Packer Set At None	County San Juan
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a 12.0
L	H	G _g est. .590	% CO ₂
		% N ₂	% H ₂ S
Positive Choke		Meter Run	Tcps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	Shut-in Pressure						1153		1153		
1.	2"	X	.750"		193	65 ⁰	193		502		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		205	.995	1.302	1.013	2584
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 1165	P _c ² 1352569				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2458$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1792$
NO. 1	P _i ²	P _w	P _w ²	P _c ² - P _w ²		
1		513	263169	1089400		
2						
3						
4						
5						

Absolute Open Flow 3,047 Mcfd @ 15.025 Angle of Slope 0 Slope, n .75

Remarks: Produced light mist of water throughout test. Vented 383 MCF.

Approved By Commission: Conducted By: Fred S. Hamrick Calculated By: Checked By: *mm*