

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

Form C-122
Revised 9-1-65

NOV 21 1985

OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11/04/85	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 32-8	
Completion Date 10/17/85		Total Depth 6140'		Plug Back TD 6100'		Elevation 6660' GR	
Farm or Lease Name San Juan 32-8 Unit				Well No. #50			
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6140'	Perforations: From 5621' To 6044'		Unit Sec. Twp. Rge. D 28 32N 8W	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5958'	Perforations: From To		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single				Packer Set At None		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L	H	Gg Est. .600	% 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	
SI	SIP						1068		1063		7
1.	2"	X	.750"			66 ⁰	155	66 ⁰	431	66 ⁰	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		167	.994	1.291	1.016	2091
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 1080 P _c ² 1166400					
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2023$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1482$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2401$
1		443	196249	970151	
2					
3					
4					
5					

Absolute Open Flow 2401 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Produced light mist throughout test. Vented 261 MCF.			
Approved By Commission:	Conducted By: Walt Snyder	Calculated By: S.K. Liese	Checked By: M.J. Turnbaugh