

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 5/13/76			
Company Northwest Pipeline Corp.				Connection None					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 12-30-53		Total Depth 6445		Plug Back TD 6445		Elevation 6915		Farm or Lease Name San Juan 32-8 Unit	
Csg. Size 7.000	Wt. 20 & 23#	d 6.456	Set At 5628'	Perforations: From 5628' To 6445'		Well No. #4			
Tbg. Size 1.250	Wt. 	d 	Set At 6316	Perforations: From To		Unit K	Soc. 15	Twp. 32	Rge. 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas--Single open hole						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg .591	% CO ₂ 1.77	% N ₂ 0.07	% H ₂ S	Prover 3/4 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							1048		1047		SIP
1.	2	X	.750	53		44°	53		567		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		65	1.016	1.301	1.007	831
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lbl.
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 1060 P _c ² 1123600	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4252$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3044$	
NO P _t P _w P _w ² P _c ² - P _w ²				
1		579	335241	788359
2				
3				
4				
5				

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1084$$

Absolute Open Flow 1084 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .75
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Remarks: Well produced very light mist of water during last 1-1/2 hours of test.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: Fred Hamrick	Checked By: BJB
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