

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-14-77	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 12-5-77		Total Depth 2718'		Plug Back TD 2662'		Elevation 5822' GR	
Crg. Size 2.875		Wt. 6.4#		d 2.441		Set At 2693'	
Perforations: From 2571' To 2538'		Well No. #3		Unit Sec. T-p. Hys.		M 12-T31N-R11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At		County San Juan		State New Mexico	
Producing Thru Csg.		Reservoir Temp. °F		Mean Annual Temp. °F		Boro. Press. - P _a 12.2	
L H Gg		% CO ₂ % N ₂ % H ₂ S		Prover		Meter Run Taps	
FLOW DATA							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2"	X	3/4"				1 hr
2.							2 hrs
3.							3 hrs
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.	12.365		136.2	1.0000	.9258	1.0000	1.559
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/Std. A.P.I. Gravity of Liquid Hydrocarbon _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ R		
1.					RECEIVED DEC 27 1977 OIL CON. COM. DIST. 3		
2.							
3.							
4.							
5.							
P _c 930.2 P _c ² 865,272					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0219$		
NO. P _t ² P _w P _w ² P _c ² - P _w ²					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0186$		
1.		136.2	18,550	846,722	AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,588$		
2.							
3.							
4.							
5.							
Absolute Open Flow 1,588				MOF @ 15.025		Angle of Slope @ _____ Slope, n = .85	
Remarks:							
Approved By Commission:		Conducted By: Bob Shindledecker		Calculated By: James Smith		Checked By:	