

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: _____	
Company: Aztec Oil & Gas Company				Connection: Southern Union Gathering			
Fac: Blanco				Formation: Mesa Verde		Unit: _____	
Completion Date: 10-2-77		Total Depth: 5018'		Plug Back TD: 4986'		Elevation: 5757' GR	
Gas: 731000 4.500		Wt. 20# 10.50#		Set At: 2710' 2552-5016'		Perforations: From 4315' To 4926'	
Tbg. Size: 2.375		Wt. 4.7#		Set At: 1.995 4913'		Perforations: From --- To ---	
Type Well - Single - Bordenhead - G.C. or G.O. Multiple Single				Packer Set At: ----		County: San Juan	
Producing Thru: Tbg.		Reservoir Temp. °F: S		Mean Annual Temp. °F: S		Baro. Press. - P _a : 12.2	
L: _____		H: _____		G _g : .700		% CO ₂ : _____	
G _g : .700		% CO ₂ : _____		% N ₂ : _____		% H ₂ S: _____	
Prover: _____		Meter Run: _____		Taps: _____		State: New Mexico	

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	
1.	2"	X	3/4"				844		879		
2.							346		754		1 hr
3.							331		715		2 hrs
4.							320		694		3 hrs
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{P_m P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		332.2	1.0000	.9258	1.0000	3,803
2.							
3.							
4.							
5.							

NO.	P _c	Temp. °R	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1				Specific Gravity Separator Gas _____	XXXXXX
2.				Specific Gravity Flowing Fluid _____	XXXXXX
3.				Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.				Critical Temperature _____ R	R
5.					

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	891.2	794.237	706.2	2.6876	2.0991
2.					
3.					
4.					
5.					

7,983				Slope, n = .75	
Applicable Flow _____ Mcfd @ 15.025 Angle of Slope @ _____ Slope, n = .75					
Remarks: _____					
Approved by: _____		Checked By: Bob Shindledecker		Checked By: James Smith	