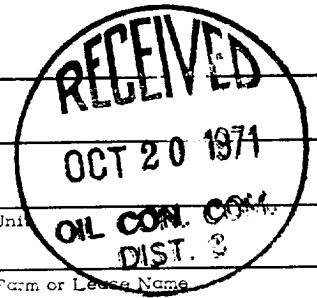


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-14-71	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 10-7-71		Total Depth 6912'	Plug Back TD 6879'	Elevation 5841 GL	Farm or Lease Name Hare
Csg. Size 3 1/8"	Wt. 10.5#	Set At 6909'	Perforations: From 4544 To 4650		Well No. #18
Tub. Size 2-3/8"	Wt. 4.7#	Set At 6639'	Perforations: From To		Unit Sec. Twp. Rge. H 10 29N 10W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Multiple				Packer Set At 6639'	County San Juan
Producing Thru Casing		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a	State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. psig.	Diff. in W	Temp. °F	Press. psig.	Temp. °F	Press. psig.	
1.	2"		3/4"						958	
2.									309	
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (C ₁ Flow)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.	12.365		321	1.0000	.9258	1.0000	3675
2.							
3.							
4.							
5.							

NO.	P _c	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Sol.
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 970	P _c ² 940,900				
NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1812$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1330$
1.	380	144,400	796,500		
2.					
3.					
4.					
5.					

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4164$		
Actual gas flow 4164	Mcf @ 15.025	Angle of Slope G _____ Slope, n _____
Remarks:		
Approved by Commission: _____ Conducted By: _____ Calculated By: _____ Checked By: _____		