

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 12-1-55

Pool South Blanco Pictured Cliffs				Formation Pictured Cliffs				County San Juan			
Initial X		Annual		Special		Date of Test 7/20/66					
Company Aztec Oil and Gas				Lease Hanks				Well No. 21			
Unit B		Sec. 6		Twp. 27N		Range 9W		Purchaser Southern Union Gas			
Casing 4 1/2"		Wt. 9.5		I.D. 1.090		Set at 2470		Perf. 2358		To 2390	
Tubing 1"		Wt. 1.7		I.D. 1.049		Set at 2375		Perf. 2355		To 2365	
Gas Pay: 2358		From 2390		To 2390		L .700(est)		G 		GL 	
										Bar. Press.	
Producing Through: X				Casing				Tubing			
Date of Completion 7/13/66				Packer none				Reservoir Temp. single - gas			
OBSERVED DATA											
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps			
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW	
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	HR.	
1.			7 days			613		613			
2.	2"	3/4"				263	60(est)	231	60(est)	3 hr	
3.											
4.											
5.											
FLOW CALCULATIONS											
	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF F _{FD} @ 15.025 psia				
1.	12.365		243	1.000	.9258	1.030	2865				
2.											
3.											
4.											
5.											
PRESSURE CALCULATIONS											
Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.						Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____ deg.						Specific Gravity Flowing Fluid _____					
F _c _____ (1-e ^{-S})						P _c 625 P _c ² 390,625					
	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w /P _c		
1.	275					75,625	315,000				
2.											
3.											
4.											
5.											

ABSOLUTE POTENTIAL: **3439** MCFPD; n **.85**

COMPANY **Aztec Oil and Gas** WITNESSED _____

ADDRESS **Drewer 570 Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **Carl E. Jameson**
District Engineer

