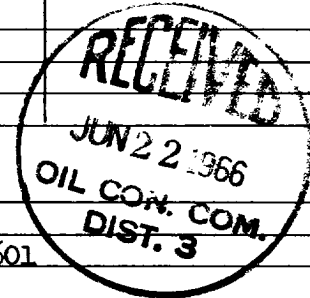


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122

Revised 12-1-55

Pool Basin Dakota			Formation Dakota			County San Juan				
Initial X		Annual		Special		Date of Test 6/20/66				
Company Aztec Oil and Gas			Lease Grenier			Well No. 17				
Unit D	Sec. 6	Twp. 31N	Range 11W		Purchaser Southern Union Gathering					
Casing 4 1/2"	Wt. 10.5 & 11.6	I.D. 4.000	Set at 7707		Perf. 7524		To 7671			
Tubing 2-3/8"	Wt. 4.7	I.D. 1.995	Set at 7632		Perf. 7605		To 7615			
Gas Pay:	From 7524	To 7671	L 7605	G .700 (est)	GL	Bar. Press.				
Producing Through:		Casing	Tubing X		Type Well — Single — Braden head — G.G. or G.O. Dual single gas					
Date of Completion 6/13/66		Packer none			Reservoir Temp.					
OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	2"	3/4"	7 days			2039		2039		3 hr
2.						349	60 (est)	987	60 (est)	
3.										
4.										
5.										
FLOW CALCULATIONS										
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia			
1.	12.365		361	1.000	.9258	1.041	4302			
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 2051 P _c ² 4,206,601					
No.	$\frac{P_w}{P_t}$ 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	$\frac{P_w}{P_c}$	
1.	999					998,001	3,208,600			
2.										
3.										
4.										
5.										



ABSOLUTE POTENTIAL: 5270 MCFPD; n 75

COMPANY Aztec Oil and Gas Company WITNESSED _____

ADDRESS Drawer 570 Farmington, New Mexico COMPANY _____

AGENT AND TITLE Original Signed By
Carl E. Jameson
District Engineer