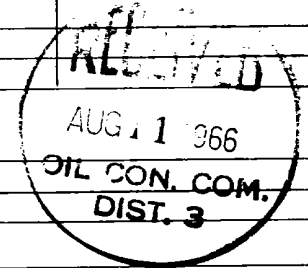


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122

Revised 12-1-54

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. 20			
Unit J	Sec. 6	Twp. 27N	Range 9W		Purchaser Southern Union Gas				
Casing 4 1/2	Wt. 9.5	I.D. 4.090	Set at 2514		Perf. 2416		To 2452		
Tubing 1"	Wt. 1.7	I.D. 1.046	Set at 2442		Perf. 2422		To 2432		
Gas Pay: 2416	From 2452	To 2452	L .700 (est)		G 2422		Bar. Press. 2432		
Producing Through: X		Casing		Tubing		Type Well — Single — Braden head — G.G. or G.O. Dual single - gas			
Date of Completion 7/13/66		Packer none		Reservoir Temp.					
OBSERVED DATA									
Produced Through:		Prover ☐	Choke ☒	Meter ☐		Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover, Line) Size	(Choke, Orifice) Size	Press. psig.	Diff. Fw	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
2"	3/4"	7 days			572	60(est)	572	60(est)	3 hr
					222		184		
FLOW CALCULATIONS									
Efficient (24 Hour)	$\sqrt{\frac{L}{W} P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia			
12.365		196	1.000	.9258	1.023	2295			
PRESSURE CALCULATIONS									
Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
F ₁ _____ (1-e ^{-S})					P _c 584 P _c ² 341,056				
1.	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.	234					54,756	286,300		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **2662** MCFPD; n **.85**

COMPANY **Aztec Oil and Gas** WITNESSED _____

ADDRESS **Drawer 570 Farmington, New Mexico** COMPANY _____
Original Signed By

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