

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

Form C-122
Revised 12-1-55

Pool Fulcher Kutz Pictured Cliffs			Formation Pictured Cliffs			County San Juan		
Initial		Annual		Special Initial after workover		Date of Test 8-25-65		
Company Aztec Oil & Gas Company				Lease Hart			Well No. 1	
Unit L	Sec. 11	Twp. 29N	Range 12W		Purchaser Southern Union			
Casing 3 1/2	Wt. 6.9	I.D. 3.12	Set at 1925		Perf. 1696		To 1724	
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 1704		Perf. 1684		To 1694	
Gas Pay: 1696		From 1724		To 1696		L .700 (est)		GL Bar. Press.
Producing Through:		Casing X		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single		
Date of Completion 8/17/65		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.	XXXXXX (Line) Size	XXXXXX (Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
SI	2"	3/4"				256		256		7 days	
1.						98	60°(est)	55	60°(est)		
2.											
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		67	1.000	.9258	1.013	777
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 **268** P_c² **71824**

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.	110					12,100	59724		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 907 MCFPD: n .85

COMPANY Aztec Oil & Gas Company WITNESSED _____

ADDRESS Drawer 570, Farmington, N. Mex. COMPANY _____

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

