

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

Form C-122

Revised 12-1-55

Pool Blanco Mesaverde		Formation Mesaverde		County San Juan	
Initial X		Annual		Special	
Company Aztec Oil and Gas		Lease Culpepper Martin		Date of Test 7/26/66	
Unit H		Sec. 21		Twp. 32N	
Casing 7-5/8 4-1/2		Wt. 26.4 11.6		I.D. 6.969 4.000	
Tubing 1 1/2		Wt. 2.75		I.D. 1.610	
Range 12W		Set at 4718 4569-7240		Purchaser Southern Union Gathering	
Perf. 4846		To 4897		Well No. 15	
From 4846		To 4897		L 4846	
Gas Pay: 4846		To 4897		G 4846	
GL 4846		Bar. Press. 4897		.700(est.)	
Producing Through: X		Casing X		Tubing GG Dual	
Date of Completion 7/11/66		Packer 7014		Reservoir Temp.	

OBSERVED DATA

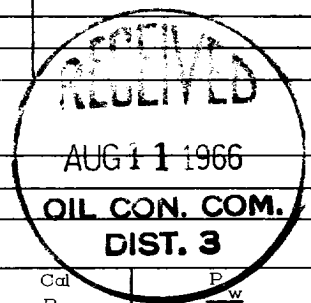
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	2"	3/4"	7 days					866		
2.								592	60(est.)	3 hr
3.										
4.										
5.										

FLOW CALCULATIONS

No.	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 P D @ 15.025 psia
1.	12.365		604	1.000	.9258	1.082	7481
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 878 P_c^2 770,884					
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.		FLM				364,816	406,068		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **12,100** MCFPD; n **175**

COMPANY **Aztec Oil and Gas** WITNESSED _____

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

AGENT AND TITLE **Carl E. Jameson**

District Engineer