

**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 & Gas Company		Lease Primo Mudge		Date of Test 11/6/65	
Unit P		Sec. 24		Twp. 32N	
Casing 4 1/2		Wt. 10.5		I.D. 4.052	
Tubing 2-3/8		Wt. 4.7		I.D. 1.995	
Range 11W		Set at 5594		Perf. 4937	
Purchaser Southern Union Gas Company		To 5482		Well No. 1	
From 4937		To 5482		L 5465	
Gas Pay: 4937		To 5482		G .700 (est)	
GL 3826		Bar. Press.		Type Well - Single - Braden head - G.G. or G.O. Dual	
Producing Through: X		Tubing X		Single	
Date of Completion 10/29/65		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.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	7 days					820		820		
1.	2"	3/4				226		487		3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _f	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	12.365		238	1.000	.9258	1.028	2800
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 **832** P_c² **692,224**

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	Gal P _w	$\frac{P_w}{P_c}$
1.						249,001	443,223		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3911** MCFPD; n **.75**

COMPANY **Aztec Oil & Gas Company** WITNESSED _____

ADDRESS **P. O. Drawer 570, Farmington, N. Mex.** COMPANY _____

AGENT AND TITLE **C. E. Jameson, District Engineer**

