

**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 6/6/66		
Company Aztec Oil and Gas Company		Lease Thompson		Well No. 11	
Unit H	Sec. 34	Twp. 31N	Range 12W	Purchaser Southern Union Gathering	
Casing 4 1/2	Wt. 10.5 & 11.6	I.D. 4.000	Set at 7149	Perf. 6898	To 6976
Tubing 1 1/2	Wt. 2.75	I.D. 1.610	Set at 6966	Perf. 6935	To 6950
Gas Pay:	From 6898	To 6976	L 6935	G .700 (est)	GL Bar. Press.
Producing Through:			Type Well - Single - Braden head - G.G. or G.O. Dual 31.05/6 - gas		
Date of Completion 5/30/66		Packer none		Reservoir Temp.	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
2"	7 day 3/4"				1808		1808			
					168	60 (est)	658	60 (est)	3 hr	

FLOW CALCULATIONS

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 P D @ 15,025 psia
12.365		180	1.000	.9258	1.022	2106

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 **1820** P_c² **3,312,400**

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.	670					448,900	2,863,500		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2349** MCFPD; n **.75**

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

ADDRESS **Dresser 570, Farmington, New Mex.** COMPANY _____

AGENT AND TITLE **Carl E. Jameson**

District Engineer

