NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5-10-77	
Company: Aztec Oil & Gas Company			Connection: Southern Union Gathering		
Pool: Blanco			Formation: Pictured Cliffs		Unit
Completion Date: 4-30-77	Total Depth: 5707'		Plug Back TD: 5698'	Elevation: 6453' GR	Farm or Lease Name: Day State
Csg. Size: 7.000 / 4.500	Wt.: 20# / 11.60#	d: 6.456 / 4.000	Set At: 3410 / 3241-5706	Perforations: From 3132 To 3191	Well No.: #1-A
Tbg. Size: 1.900	Wt.: 2.9#	d: 1.610	Set At: 3172	Perforations: From To	Unit: A; Sec.: 32; Twp.: 32N; Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple			Packer Set At: 3241		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.2		State: New Mexico
L	H	Gg: .700	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						930		930		
1.	2"	X 3/4"				225		675		1 hr
2.						190		565		2 hrs
3.						174		540		3 hrs
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		186.2	1.0000	.9258	1.0000	2132
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 942.2 P_c^2 887,741

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		552.2	304,925	582,816
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5232$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4300$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,049$

Absolute Open Flow 3,049 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: James Smith	Checked By: