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: 8-3-77	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gathering		
Pool: South Blanco		Formation: Pictured Cliffs		Unit:
Completion Date: 7-6-77	Total Depth: 5744'	Plug Back TD: 5740'	Elevation: 6333'	Farm or Lease Name: Primo Mudge
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.50#	d: 6.456 / 4.052	Set At: 3400 / 3235-5741	Perforations: From 3120' To 3160'
Well No.: #1A				
Tbg. Size: 1.900	Wt.: 2.75#	d: 1.610	Set At: 3147'	Perforations: From To
Unit: N	Sec.: 24	Twp.: 32N	Rge.: 11W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.			Packer Set At: 3235'	County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	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						801		798		
1.	2"	X 3/4"				143		407		1 hr
2.						126		358		2 hrs
3.						121		341		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		133.2	1.0000	.9258	1.0000	1525
2.							
3.							
4.							
5.							

NO.	P_t	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

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P_c 813.2 P_c^2 661,294

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		353.2	124,750	536,544
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2325$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1945$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,822$

Absolute Open Flow 1,822 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

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