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: 12-3-73	
Company: Aztec Oil & Gas Company			Connection: Southern Union Gathering		
Pool: Aztec			Formation: Pictured Cliff		Unit
Completion Date: 11-26-73	Total Depth: 2120'		Plug Back TD: 2120'	Elevation: 5780 GR	Farm or Lease Name: McClanahan
Csg. Size: 4½" / Wt.: 10.5# / d: / Set At: 2120'			Perforations: From 1976' To 2002'		Well No.: #5-Y
Tbg. Size: 1" / Wt.: 1.70# / d: / Set At: 1979'			Perforations: From ---- To ----		Unit: E / Sec.: 13 / Twp.: 28N / Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ----		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico

L	H	Gg	% 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						355		353		7D
1.	2"	3/4"				69		67		3 Hours
2.										
3.										
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		67	1.0000	.9258	1.0000	767
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	
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 355 P_c^2 126,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		81	6,,361	119,464
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = .9479$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .9555$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 733$

Absolute Open Flow 733 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jan C Stinson	

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DIST. 3