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: 9-4-69	
Company: Aztec Oil & Gas	Connection: Southern Union Gathering			
Pool	Formation: Pictured cliffs			Unit
Completion Date: 8-29-69	Total Depth: 2545	Plug Back TD: 2542	Elevation: 6006 Gr	Farm or Lease Name: East
Csg. Size: 4.5 / Wt.: 9.5 / d: 4.090 / Set At: 2542		Perforations: From 2456 To 2474		Well No.: #20
Tbg. Size: 1.315 / Wt.: 1.7 / d: 1.049 / Set At: 2445		Perforations: From Opened To		Unit: G / Sec.: 26 / Twp.: 31 / Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2326		County: San Juan
Producing Thru	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						679		679		
1.	2	3/4				168		182		
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		170	1.000	.9258	1.000	1946
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 691 P_c^2 477,481

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		194	37636	439845
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0857$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0711$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2084$

Absolute Open Flow 2084 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By: