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: 1-4-77	
Company: Aztec Oil & Gas Company			Connection: El Paso Natural Gas Company		
Pool: Blanco			Formation: Mesa Verde		Unit:
Completion Date: 12-20-76	Total Depth: 5765'		Plug Back TD: 5722'	Elevation: 6229' GR	Farm or Lease Name: Hale
Csg. Size: 7.000 / 4.500	Wt.: 23# / 10.50#	d: 6.366 / 4.052	Set At: 3410' / 3239-5763	Perforations: From 5034 To 5439	Well No.: #1-A
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 5439	Perforations: From - To -	Unit: J; Sec.: 27; Twp.: T31N; Rge.: R8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: ----		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	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							752		750		
1.	2"	X	3/4"				219		560		1 hr
2.							203		522		2 hrs
3.							194		511		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		206.2	1.0000	.9258	1.0000	2,360
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 764.2 P_c^2 584,002

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		523.2	273,738	310,264
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8823$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6070$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,793$

Absolute Open Flow 3,793 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Dry

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dwayne Horton		