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: 12-19-76	Total Depth: 5750'	Plug Back TD: 5715'	Elevation: 6211' GR	Farm or Lease Name: Hale	
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.50#	d: 6.456 / 4.052	Set At: 3404 / 3261-5749	Perforations: From 4986 To 5424	Well No.: #4-A
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 5417'	Perforations: From To	Unit: I; Sec.: 34; 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						659		576		
1.	2"	X 3/4"				231		589		1 hrs
2.						221		537		2
3.						217		585		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		229.2	1.0000	.9258	1.0000	2624
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 671.2 P_c^2 450,509

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		597.2	356,648	93,861
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.7997$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.2427$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8,509$

Absolute Open Flow 8,509 Mcfd @ 15.025 Angle of Slope θ OIL DIST. 3 Slope, n 0.75

Remarks: Misting

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