NEW MEXICO OIL CONSERVATION COMMISSION
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: 9-26-77	
Company: Aztec Oil & Gas Company		Connection: Northwest Pipeline Corp.		
Pool: Blanco		Formation: Mesa Verde		Unit
Completion Date: 9-4-77	Total Depth: 6156'	Plug Back TD: 6010'	Elevation: 6548' GR	Farm or Lease Name: Burnt Mesa
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.50#	d: 6.456 / 4.052	Set At: 3715' / 3545'	Perforations: From 5605' To 5895'
Well No.: #1A				
Tbg. Size: 1.990	Wt.: 2.9#	d: 1.610	Set At: 5888'	Perforations: From To
Unit: J	Sec.: 25	Twp.: T32N	Rge.: R7W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: ----	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						

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI					1004		1122		
1.	2" X 3/4"				165		949		1 hr
2.					161		882		2 hrs
3.					156		852		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		168.2	1.0000	.9258	1.0000	1,925
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 1134.2 P_c^2 1,286,410

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		864.2	746,842	539,568
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3841$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.9187$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,693$

Absolute Open Flow 3,693 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission: | Conducted By: Klee Terry | Calculated By: James Smith | Checked By: