NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: XX Initial ☐ Annual ☐ Special			Test Date: 10-13-77	
Company: Aztec Oil & Gas Company		Connection: El Paso Natural Gas Company		
Pool: Blanco		Formation: Mesa Verde		Unit
Completion Date: 9-28-77	Total Depth: 4729'	Plug Back TD: 4662'	Elevation: 5710' GR	Farm or Lease Name: Koch State Com
Csg. 7.000 / 4.500	Wt. 20# / 10.50#	d 6.456 / 4.052	Set At 2483' / 2311-4717'	Perforations: From 3789' To 4291'
Well No.: #1A				
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 4570'	Perforations: From 4373' To 4585'
Unit: I	Sec.: 36	Twp.: T29N	Rge.: R9W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple		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	G_g: .700	% 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						885				
1.	2"	X 3/4"				281				1 hr
2.						228				2 hrs
3.						207				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		219.2	1.0000	.9258	1.0000	2,509
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 897.2 P_c^2 804,968

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		219.2	48,049	756,919
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0635$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0472$

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,628$

Absolute Open Flow 2,628 Mcf/d @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved by Commission:	Conducted by: Klee Terry	Calculated By: James W. Smith	Checked By: