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: 10-21-77	
Company: Aztec Oil & Gas Company		Connection: El Paso Natural Gas Company		
Pool: Blanco		Formation: Mesa Verde		Unit
Completion Date: 10-12-77	Total Depth: 5959'	Plug Back TD: --	Elevation: 6553' GR	Farm or Lease Name: Waller Unit
OD: 7.000 / 4.500	Wt.: 20# / 10.50#	d: 6.456 / 4.052	Set At: 3591' / 3422-5958	Perforations: From 4820' To 5469'
				Well No.: #1A
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 5787'	Perforations: From 5504' To 5810'
				Unit: P Sec.: 11 Twp.: 32N Rge.: 11W
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	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						600				
1.	2"	X 3/4"				259				1 hr
2.						257				2 hrs
3.						256				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		268.2	1.0000	.9258	1.0000	3,070
2.							
3.							
4.							
5							

NO.	P_t	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 612.2 P_c^2 374,789

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		268.2	71,931	302,858
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2375$ ....(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1733$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,602$ Mcfd

NOV 2 1977
OIL CONSERVATION DIV.
DIST. 3

Absolute Open Flow 3,602 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bob Shindledecker	James Smith	