NEW MEXICO OIL CONSERVATION COMMSSION

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: 9/13/76	
Company: Amoco Production Company			Connection: None		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 9/6/76	Total Depth: 5150		Plug Back TD: 5092	Elevation: 5862	Farm or Lease Name: Sammons Gas Com "A"
Csg. Size: 7.000 / Wt.: 23 / d: 6.366 / Set At: 3051			Perforations: From 4350 To 4993		Well No.: 1A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5041			Perforations: From Open ended To		Unit: P / Sec.: 6 / Twp.: 31 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @		Mean Annual Temp. °F: 85	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
4672		.650						

	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	7 Days					657		685		
1.	2.375	0.750				315		600		3 Hrs.
2.										
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		327	1.00	.9608	1.033	4013
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T	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 697 P_c^2 485,809

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		612	374,544	
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.3662$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.0205$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 12,121$

Absolute Open Flow 12,121 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: 4.500 10.5# Liner Set @ 2820'-5145'

Approved By Commission:	Conducted By: Original Signed by H. D. MONTGOMERY	Calculated By: T. M. Oliver	Checked By: W. R. Cordill