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: 10/10/77	
Company: AMOCO PRODUCTION COMPANY	Connection: GAS COMPANY OF NEW MEXICO			
Pool: TAPACITO	Formation: PICTURED CLIFFS		Unit	
Completion Date: 10/3/77	Total Depth: 4150'	Plug Back TD: 4115'	Elevation: 7217' DB	Farm or Lease Name: Jicarilla Apache 102
Csg. Size: 4-1/2 / Wt.: 10.5 / d: K-55 / Set At: 4150		Perforations: From 3977 To 4046		Well No.: 19
Tbg. Size: 1-1/4 / Wt.: 2.4 / d: J-55 / Set At: 4058		Perforations: From open To ended		Unit: G / Sec.: 4 / Twp.: 26N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At: None		County: Rio Arriba
Producing Thru: 1-1/4 tbg	Reservoir Temp. °F: @ 126°	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65						

	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				973	60	977	60	
1.				60	120	60	600	60	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		132	1.000	.9608	1.000	1568
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 989 P_c^2 978121

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	132	612	374544	603577
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6205$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5073$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2363$

Absolute Open Flow 2363 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		MJF	