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: 12/20/76	
Company: AMOCO PRODUCTION COMPANY	Connection: Gas Company of New Mexico			
Pool: Tapacito	Formation: Pictured Cliffs			Unit:
Completion Date: 12/12/76	Total Depth: 3860	Plug Back TD: 3826	Elevation: 6963	Farm or Lease Name: Jicarilla Apache 102
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 3859		Perforations: From 3734 To 3792		Well No.: 17
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 3792		Perforations: From Open To Ended		Unit: H / Sec.: 3 / Twp.: 26 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F: 9°	Baro. Press. – P_a: 12 psi	State: New Mexico
L:	H:	Gg: .65	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	8 days				952		955		
1.	2.375-inch 0.750				220	60°	350		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		232	1.000	.9608	1.023	2820
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 967 P_c^2 935,089

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		362	131,044	804,045
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1630$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1369$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3206$

Absolute Open Flow 3206 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	T. M. Oliver	Oliver/Lindsley	P. C. Ellison