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: 1/1/79	
Company: Amoco Production Company	Connection: Gas Company Of New Mexico			
Pool: Basin	Formation: Dakota			Unit
Completion Date: 12/16/78	Total Depth: 8270	Plug Back TD: 8266	Elevation: 7217	Farm or Lease Name: Jicarilla Apache 151
Csg. Size: 4.5 / Wt.: 11.6 / d: 4.000 / Set At: 8270		Perforations: From 8027 To 8246		Well No.: 6
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8234		Perforations: From Open To Ended		Unit: A / Sec.: 9 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.70						

	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	16 Days				2122		2450		
1.	2.375 .750				94	60	825		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		106	1.000	.9258	1.013	1229
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2462 P_c^2 6061444

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		837	700569	5360875
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1307$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0965$

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1348$

Absolute Open Flow 1348 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. A. Conners	R. A. Conners	J. L. Krupka