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: 12-14-78	
Company: Amoco Production Company		Connection: Gas Company Of New Mexico			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 12-3-78	Total Depth: 7548	Plug Back TD: 7511	Elevation: 6683 KB	Farm or Lease Name: Jicarilla Contract 147	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 7551		Perforations: From 7202 To 7387		Well No.: 7	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7428		Perforations: From Open To Ended		Unit: L / Sec.: 8 / Twp.: 25N / 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

	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	11 Days					2025		2170		
1.	2.375	.750				122	60	610		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		134	1.000	.9258	1.015	1557
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 2182 P_c^2 4761124

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		622	386884	4374240
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0884$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0656$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1659$

Absolute Open Flow 1659 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

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