

CONFIDENTIAL

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 12-21-82	
Company Amoco Production Company				Connection Not dedicated	
Pool Nt. Nebo				Formation Fruitland Ext.	
Completion Date 12-12-82		Total Depth 2878		Plug Back TD 2878	
				Elevation 6084 GL	
Csq. Size 7.000		Wt. 23		Set At 2840	
Trq. Size 2.785		Wt. 6.50		Set At 2775	
Perforations: From open To hole				Well No. 1	
Perforations: From down hole To Sep.				Unit K	
Type well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2693	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F P				State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a		Meters Run	
L		H		Taps	
G _q		% CO ₂		% N ₂	
% H ₂ S		Prover			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
SI	9 Days						60		1210	
1.	2.375		.750				3		55	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		15	1.000	.9608	1.001	178
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1222 P _c ² 1493284				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0030$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0026$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 178$		
1		67	4489	1488795			
2							
3							
4							
5							

Absolute Open Flow 178		Mcf/d @ 15.025		Angle of Slope θ _____		Slope, n .85	
Remarks: _____							
Calculated By: _____							
Checked By: _____							