

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		4-5-84	
Company				Connection							
Amoco Production Company				El Paso Natural Gas Company							
Pool				Formation				Unit			
Basin				Dakota							
Completion Date			Total Depth			Plug Back TD			Elevation		
3-19-84			6998			6927			5939 GL		
Csg. Size		Wt.	d	Set At		Perforations		From		To	
5.500		15.5	4.950	6998		6780		6842		6900	
Thq. Size		Wt.	d	Set At		Perforations		From		To	
2.375		4.7	1.995	6837		Open		Ended			
Type Well - Single - Packerhead - G.C. or G.O. Multiple								Packer Set At		County	
Single (possible commingle)								6738		San Juan	
Producing thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tubing		°						New Mexico			
L	H	Gg	% CO ₂	% H ₂	% H ₂ S	Prover	Meter Run	Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration	
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	of Flow
SI	8 DAYS										
1.	2.375		.750				1620		X		
2.							72		X		3 hrs
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. Compres. Factor F _{pv}	Rate of Flow O, Mcfd
1	12.365		84	1.000	.9258	1.009	963
2.							
3.							
4.							
5.							

NO.	R _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

P _r 1632		P _w 2663424	
NO.	P _i ²	P _w ²	P _i ² - P _w ²
1		101	10201
2			2653223
3			
4			
5			

(1) $\frac{P_c^2}{P_i^2 - P_w^2} = 1.0038$		(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.0029$	
ACF = Q $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n = 966$			

Absolute Open Flow	966	Mcf @ 15.025	Angle of Slope °	Slope, n
Remarks:	Flared Lite H ₂ O			

Approved by Division	Conducted by	Calculated by	Checked by
	J. Barnett	J. Barnett	