

CONFIDENTIAL

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 01-07-83				
Company Amoco Production Company				Connection Not dedicated					
Pool Mt. Nebo				Formation Fruitland Ext.				Unit	
Completion Date 12-23-82		Total Depth 2805		Plug Back TD 2805		Elevation 5995		Farm or Lease Name Ealum Gas Com "C"	
Csq. Size 7.000	Wt. 23	d 6.366	Set At 2769	Perforations: From open To hole		Well No. 1			
Trq. Size 2.875	Wt. 6.5	d 2.441	Set At 2667	Perforations: From open To ended		Unit Sec. Twp. Rge. G 33 32 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2661		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

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	7 Days						204		896	
1.	2.375		.750				5		120	
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		17	1.000	.9608	1.003	203
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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

$P_c = 908$ $P_c^2 = 824464$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0216$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0183$
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²		
1		132	17424	807040		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 206$				
Absolute Open Flow _____ 206 _____ Mcfd @ 15.025		Angle of Slope _____		Slope, n _____ .85

Remarks: _____

Approved by Division _____	Conducted by: _____	Calculated By: _____	Checked By: _____
----------------------------	---------------------	----------------------	-------------------