

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 5/18/81				
Company Amoco Production Company				Connection Amoco Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 4/18/81		Total Depth 6001		Plug Back TD 5961		Elevation 5342		Farm or Lease Name Robert Gas Com "B"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6001	Perforations: From 5768 To 5910		Well No. 1E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5918	Perforations: From open To ended		Unit Soc. Twp. Rge. P 14 29N 13W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single					Packer Set At none		County San Juan		
Producing Thru tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	10 days						1688		1688		
1.											
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.							
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.							
2.							
3.							
4.							
5.							

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____	
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Remarks: no potential w/o pipeline			
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Approved By Division	Conducted By: JJ BARNETT	Calculated By:	Checked By: JTB
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