

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS



Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 5-26-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota			
Completion Date 4-29-82		Total Depth 6460		Plug Back TD 6416		Elevation 5552 GL	
Farm or Lease Name Gerk Gas Com "B"				Well No. 1M			
Csq. Size 7.000	Wt. 26	d 6.276	Set At 6460	Perforations: From 6208 To 6326		Unit Sec. Twp. Rge. N 19 29N 9W	
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 6375	Perforations: From open To ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 4450		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F ø		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	Gg	% 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.		Temp. °F
SI	14 Days						1675		X		
1.	2.375		.750				235		X		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		247	1.000	.9258	1.028	2907
2.							
3.							
4.							
5.							

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

P _c 1687 P _c ² 2845969		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1041$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0771$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		518	268324	2577645	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3131$

Absolute Open Flow 3131 Mcfd @ 15.025 Angle of Slope ø _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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