

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-3-80				
Company El Paso Natural Gas Company						Connection				
Pool Basin						Formation Dakota				
Completion Date 2-25-80			Total Depth 7004		Plug Back ID 6987		Elevation		Farm or Lease Name McAdams	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7004	Perforations: From 6642 To 6879		Well No. 5E				
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6870	Perforations: From To		Unit L	Sec. 20	Twp. 27	Rge. 9	
Type Well - Single - Bronthead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan		
Producing Thru		Reservoir Temp. °F θ		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							730		1345		7 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf, bbl.
1					A.P.G. 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 _____ H

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	P ₆	P ₇	P ₈	P ₉	P ₁₀	P ₁₁	P ₁₂	P ₁₃	P ₁₄	P ₁₅	P ₁₆	P ₁₇	P ₁₈	P ₁₉	P ₂₀
1																				
2																				
3																				
4																				
5																				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____				(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____							

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	
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Approved by Division	Conducted By: E. Huntington	Calculated By: C. R. Wagner	Checked By:
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