

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 10/12/96	
Company WILLIAMS PRODUCTION COMPANY					Connection						
Pool BLANCO					Formation MESAVERDE					Unit ROSA	
Completion Date 09/24/96		Total Depth 8096'		Plug Back TD 8074'		Elevation 6327'		Farm or Lease Name ROSA			
Casing Size		Weight		d		Set At		Perforations: From To		Well No. #159	
Tubing Size 1-1/4"		Weight 2.33#		d		Set at 5932'		Perforations: From 5413' To 5985'		Unit Sec Twp Rng O 19 31N 5W	
Type Well - Single - Bradenhead - GG or GO Multiple					Packer Set At 6050'			County RIO ARRIBA			
Producing Thru TUBING		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _a		State NEW MEXICO			
L		H		Gq .6		%CO ₂		%N ₂		%H ₂ S	
										Prover 3/4"	
										Meter Run 2	
										Taps	

FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line	Orifice p.s.i.g.	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F
SI	2" X 3/4"				1035		1037	
1					137	46°	997	0.5 HR
2					138	47°	978	1.0 HR
3					141	49°	967	1.5 HR
4					141	49°	961	2.0 HR
5					140	49°	926	3.0 HR

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1	9.604		152	1.0108	1.29	1.014	1930
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ration _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.
2					Specific Gravity Separator _____ XXXXXX
3					Specific Gravity Flowing Fluid xxxxx _____
4					Critical Pressure _____ p.s.i.a. _____ p.s.i.a.
5					Critical Temperature _____ R _____ R

NO.	P _i	P _w	P _w ²	P _c ² - P _w ²
1		938	879844	220557
2				
3				
4				
5				

P _c 1049 P _c ² 1100401					(1) $\frac{P_c^2}{P_c^2 - P_{w2}} = \frac{4.9892}{}$ (2) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3.3383}{}$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{6443}{}$
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Absolute Open Flow 6443 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
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Remarks:			
Approved By Commission:	Conducted By: CHIK CHARLEY	Calculated By: SUSAN CRICHUN	Checked By: