

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

REVISED 2-1-70

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/3/81	
Company Manana Gas, Inc.				Connection	
Pool Aztec				Formation Fruitland	
Completion Date 7/25/81		Total Depth 1945		Elevation 5597 G	
Form or Lease Name Aunt Maggie		Well No. 3		Unit J-25-29N-11W	
Casing Size 2.875		Set At 1943		Perforations: From 1603 To 1628	
Perforations: From To		Unit J-25-29N-11W		Sec. Twp. Rpt.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Through Casing		Reservoir Temp. °F 8		Baro. Press. - P _a	
State New Mexico		County San Juan		Meter Run	
L		H		G _g est. .650	
% 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		
1	2"		.500	392		72			566	392	72	9 days
2												3 Hrs.
3												
4												
5												

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Comp. Factor, F _{pv}	Rate of Flow Q, Mhd
1	5.523		404	.9887	.9608	1.0000	2120
2							
3							
4							
5							

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

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 2.0782$	(2) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.8622$
1	163216	416	173326	160758			
2							
3							
4							
5							

Absolute Open Flow 3948				Mhd @ 15.025		Angle of Slope θ		Slope, n .85	
Remarks: Dry throughout test									

Approved By Commission	Conducted By C. R. Wagner	Calculated By A. R. Kendrick	Checked By
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