

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-3-81	
Company GETTY OIL COMPANY				Connection Not Connected	
Pool BASIN				Formation DAKOTA	
Completion Date 6-23-81		Total Depth 7554		Plug Back TD 7510	
		Elevation 6679 G.L.		Farm or Lease Name Paul Williams	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 7554	Perforations: From 7186 To 7444	
Thg. Size 2.375	Wt. 4.700	d 1.995	Set At 7364	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At	
Producing Thru Tubing				Baro. Press. - P_a 12.0	
Reservoir Temp. °F 8				Mean Annual Temp. °F	
State New Mexico				County Rio Arriba	
L 7364	H 7364	Gg .700	% CO ₂	% N ₂	% H ₂ S
Prover 2.000			Meter Run 2.000		
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	192 Hours						2325		2329		
1.	2.000 x .750						542	60	1222		1st Hr.
2.	2.000 x .750						344	60	1174		2nd Hr.
3.	2.000 x .750						318	60	1070		3rd Hr.
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	11.000		554	1.000	1.195	1.071	7799
2	11.000		356	1.000	1.195	1.044	4886
3	11.000		330	1.000	1.195	1.022	4433
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z	Gas-Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					1,000 to 1	
2.					56 @ 60	
3.						
4.						
5.						

NO.	P_t^2	P_w^2	R_w^2	$P_c^2 - R_w^2$	AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{5,309}$
1					
2					
3	108900	1082	1170724	4309557	
4					

Absolute Open Flow 5,309 Mcfd @ 15.025				Angle of Slope θ		Slope, n .75	
Remarks:							
Approved By Commission:		Conducted By: Paul D. Berhost		Calculated By: Paul D. Berhost		Checked By:	