

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

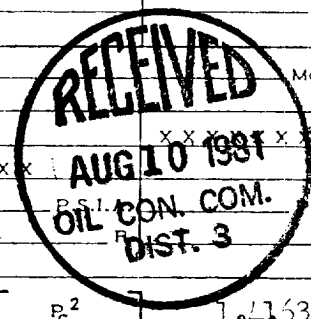
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-17-81	
Company GETTY OIL COMPANY				Connection NOT CONNECTED	
Pool SOUTH BLANCO				Formation PICTURED CLIFFS	
Completion Date 7-10-81		Total Depth 2909		Elevation 6693 G.L.	
Csg. Size 4.500		Set At 2906		Perforations: From 2787 To 2839	
Tng. Size 1.900		Set At 2823		Perforations: From OPEN To ENDED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE GAS				Facker Set At -	
Producing Thru TUBING				Baro. Press. - P _a 12.0	
Reservoir Temp. °F 8				Mean Annual Temp. °F	
County RIO ARriba				State NEW MEXICO	
L 2823		H 2823		Prover 2.000	
G _g .660		% CO ₂		% N ₂	
% H ₂ S		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	192 hours										
1.	2.000	x	.750				663	60	668		1st hr.
2.	2.000	x	.750				153	60	430		2nd hr.
3.	2.000	x	.750				135	60	439		3rd hr.
4.							121	60	417		
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		165	1.000	1.231	1.016	2270
2	11.000		147	1.000	1.231	1.014	2018
3	11.000		133	1.000	1.231	1.013	1824
4.							
5.							

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



P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6612$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.41632$
1						
2						
3	1.5	1.29	1.6401	278359	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2669$	
4						
5						

Absolute Open Flow 2,669 Mcfd @ 15.025 Angle of Slope @ .75 Slope, n .75

Remarks:

Approved By Division	Conducted By: PAUL D. BERNHART	Calculated By: PAUL D. BERNHART	Checked By:
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