

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: 7/25/80	
Company: Getty Oil Company				Connection: Not connected		
Pool: Basin				Formation: Dakota		Unit:
Completion Date: 7/16/80		Total Depth: 6820		Plug Back TD: 6762		Elevation: 5829 G.L.
Farm or Lease Name: Garrett Fed. Comm.						
Csg. Size: 5.500	Wt.: 15.5	d: 4.950	Set At: 6812	Perforations: From 6638 To 6743		Well No.: 1 E
Tbg. Size: 2 1/16	Wt.: 3.25	d: 1.750	Set At: 6706	Perforations: From Open To Ended		Unit Sec. Twp. Rge.: B 12 29N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Gas Gas Multiple				Packer Set At: 4850		County: San Juan
Producing Thru: Tubing		Reservoir Temp. °F: 8		Mean Annual Temp. °F: 12.0		State: New Mexico
L: 6706	H: 6706	Gg: .700	% CO ₂	% N ₂	% H ₂ S	Prover: 2,000
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							1165		PAR		195 Hr SI
1.	2.000	X .750					182	60			1st Hr
2.	2.000	X .750					101	60			2nd Hr
3.	2.000	X .750					89	60			3rd Hr
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	11.000		194	1.000	1.195	1.022	2606
2	11.000		113	1.000	1.195	1.012	1503
3	11.000		101	1.000	1.195	1.007	1337
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	X X X X X
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c : 1177	P _c ² : 1,385,329			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3	10201	317	100747	1284582
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0784}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0582}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1,415}$

Absolute Open Flow: 1,415 Mcfd @ 15.025	Angle of Slope θ: .75
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Remarks:

Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By:
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