

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 3-23-81	
Company Getty Oil Co.		Connection Not Connected	
Pool Undesignated		Formation Mesa Verde	
Completion Date 3-4-81	Total Depth 6630	Plug Back TD 6588	Elevation 5608 G.L.
Farm or Lease Name Martin Fed. Com.			
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6630
Perforations: From 3616 To 4586		Well No. I E	
Tbg. Size 2 1/16	Wt. 3.25	d 1.751	Set At 6630
Perforations: From Open To Ended		Unit Sec. Twp. Rge. 13 29N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Gas Multiple		Packer Set At 4725	
Producing Thru Tubing		State New Mexico	
Reservoir Temp. °F @		Mean Annual Temp. °F 12.0	
L 4587	H 4587	Gg .660	% CO ₂ % N ₂ % H ₂ S Prover 2.000
Meter Run Taps			

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow		
NO.	Prover Lire 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							1095		1187		334 Hr. S.I.
1.	2.000	x .750					122	60	606		1st Hr.
2.	2.000	x .750					80	60	494		2nd Hr.
3.	2.000	x .750					69	60	450		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	1.00		134	1.000	1.231	1.013	1838
2	1.00		92	1.000	1.231	1.000	1246
3	11.00		81	1.000	1.231	1.000	1097
4							
5							

NO.	P _r	Temp. °R	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.			A.P.I. Gravity of Liquid Hydrocarbons 52 Deg.
2.			Specific Gravity Separator Gas _____ X X X X X X X X
3.			Specific Gravity Flowing Fluid _____ X X X X X
4.			Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.			Critical Temperature _____ R _____ R

P _c 1199	P _c ² 1437601	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.1744}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.1281}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1			
2			
3	6561	462	213444
4			
5			

ACF = Q	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1237}$
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Absolute Open Flow 1,237 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____
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Remarks: This test was conducted in conjunction with the packer leakage test.			
Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By: