NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9-5-78	
Company: Getty Oil Company		Connection: Not Connected			
Pool: Blanco		Formation: Mesa Verde			Unit
Completion Date: 8-24-78	Total Depth: 4680		Plug Back TD: 4560	Elevation: 5732	Farm or Lease Name: B. M. Houck
Csg. Size: 4.5 / 7.00	Wt.: 11.6 / 23.0	d: 4.00 / 6.37	Set At: 4633 / 3319	Perforations: From 3993 To 4438	Well No.: 1
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 4246	Perforations: From open To ended	Unit: B Sec.: 13 Twp.: 29N Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas Gas			Packer Set At: 3214		County: San Jaun
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
4246	4246	.720				2.000		

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					1304				240Hr. SI
1.	2.000 x .750				267	60			1st Hr.
2.	2.000 x .750				194	60			2nd Hr.
3.	2.000 x .750				179	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	11.00		279	1.000	1.179	1.036	3,749
2.	11.00		206	1.000	1.179	1.025	2,738
3.	11.00		191	1.000	1.179	1.024	2,537
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1316 P_c^2 1731856

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	36481	387	149704	1582152
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0946$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0701$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,715$

Absolute Open Flow 2,715 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: This AOF was ran in conjunction with the first half of required Initial Packer Leakage Test. This being the lower zone, the upper zone is a chacra. LINER 3214

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