OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2-9-82	
Company: Getty Oil Company		Connection: Not connected			
Pool: Blanco		Formation: Mesa Verde			Unit
Completion Date: 1-27-82	Total Depth: 8134		Plug Back TD: 8073	Elevation: 7087G.L.	Farm or Lease Name: C.W. Roberts
Csg. Size: 7.000 / Wt.: 23.0 / d: 6.366 / Set At: 6130			Perforations: From 5250 To 5861		Well No.: 6A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5773			Perforations: From 5763 To 5773		Unit: E Sec.: 18 Twp.: 25N Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas oil multiple			Packer Set At: 5955		County: Rio, Arriba
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0		State: New Mexico
L: 5773 / H: 5773	Gg: 0.645	% CO_2	% N_2	% H_2S	Prover: 2.000 / Meter Run / Taps

	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	192 hours SI				1311		1319		
1.	2.000 x .750				174	60	718		1st hr
2.	2.000 x .750				124	60	596		2nd hr
3.	2.000 x .750				96	60	538		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		186	1.000	1.245	1.017	2591
2.	11.000		136	1.000	1.245	1.012	1885
3.	11.000		108	1.000	1.245	1.010	1494
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio 159 to 1 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 1319 P_c^2 1739761

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	11664	550	302500	1437261
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2105$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1540$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1724$

Absolute Open Flow 1,724 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .75

Remarks: ____

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