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: 12-9-80	
Company: Getty Oil Company	Connection: Not Connected			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 11-30-80	Total Depth: 7060	Plug Back TD: 7011	Elevation: 6620 G.L.	Farm or Lease Name: Farming E
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 7058 KB		Perforations: From 6753 To 6873		Well No.: # 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6634 KB		Perforations: From Open To Ended		Unit: I / Sec.: 2 / Twp.: 24N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.C. Multiple: Gas Oil Multiple		Packer Set At: 6030 KB		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	
6634	6634	.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					2149				168 HRS SI
1.	2.000 X .750				61	60			1st HR
2.	2.000 X .750				59	60			2nd HR
3.	2.000 X .750				57	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		73	1.000	1.179	1.000	947
2	11.00		71	1.000	1.179	1.000	921
3	11.00		69	1.000	1.179	1.000	895
4							
5							

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

Gas Liquid Hydrocarbon Ratio 1000 MCF to 1 BL Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons 64 Gravity @ 60° 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 2161 P_c^2 4669921

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	4761	160	25508	4644413
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0054$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0041$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 898$

Absolute Open Flow 899 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .75

Remarks: ____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul O Berhart	Paul O Berhart	