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: 2-2-81	
Company: Getty Oil Company	Connection: Not Connected			
Pool: Basin	Formation: Dakota		Unit:	
Completion Date: 1-24-81	Total Depth: 7154	Plug Back TD: 7115	Elevation: 6762 D.F.	Farm or Lease Name: Jicarilla "B"
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 7154	Perforations: From 7029 To 7096			Well No.: 29 E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 7029	Perforations: From Open To Ended			Unit: L / Sec.: 31 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas, Oil, Multiple		Packer Set At: 6450		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	Taps
7029	7029	.720				2.00		

	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					1722				234 Hrs.
1.	2.000 X .750				176	60			1st hr.
2.	2.000 X .750				157	60			2nd hr.
3.	2.000 X .750				123	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		138	1.000	1.179	1.025	2499
2.	11.000		169	1.000	1.179	1.022	2240
3.	11.000		140	1.000	1.179	1.017	1947
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio 2000 to 1 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 48 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 1734 P_c^2 3006756

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	19600	334	111.7[illegible]	2[illegible]9,278
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0335$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0237$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .[illegible]99$

Absolute Open Flow 1,[illegible]9[illegible] Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul W Baker	Paul W Baker	