NEW MEXICO OIL CONSERVATION COMMISSION
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: 8-30-80	
Company: Getty Oil Company		Connection: Not Connected		
Pool: Basin		Formation: Dakota		Unit:
Completion Date: 8-18-80	Total Depth: 6295	Plug Back TD: 6220	Elevation: 5878	Farm or Lease Name: Federal 3 S
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 6295		Perforations: From 6124 To 6175		Well No.: 1 E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6140		Perforations: From Open To ended		Unit: J / Sec.: 3 / Twp.: 27N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas		Packer Set At:		County: San Jaun
Producing Thru: tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0	State: New Mexico
L: 6140 / H: 6140	Gg: .700	% 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						1518		1518		216 HR SI
1.	2.000	X .750				148	60	794		1st Hr.
2.	2.000	X .750				145	60	692		2nd Hr.
3.	2.00	X .750				140	60	611		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		160	1.000	1.179	1.018	2118
2.	11.00		157	1.000	1.179	1.017	2078
3.	11.00		152	1.000	1.179	1.017	2010
4.							
5.							

NO.	P_r	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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R

MAY 21 1981
OIL CON. COM.
DIST. 3

P_c 1530 P_c^2 2340900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	23104	623	388129	1952771
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1988$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1456$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2303$

Absolute Open Flow 2303 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Wendell Durrett	Mark Kramer	Paul D. Berhost