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: 10-13-79	
Company: Getty Oil Company	Connection: Not Connected			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 9-29-79	Total Depth: 6335	Plug Back TD: 6354	Elevation: 6325	Farm or Lease Name: P. L. Davis
Csg. Size: 5.500 / Wt.: 14.0 15.0 / d: 4.950 / Set At: 6332		Perforations: From 6145 To 6212		Well No.: 1 - E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 6153		Perforations: From open To ended		Unit: D / Sec.: 26 / Twp.: 26N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - gas		Packer Set At:		County: San Juan
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
6153	6153	.715				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					1405		1410		185 hr. SI
1.	2.000 x .750				229	60	747		1 st. hr.
2.	2.000 x .750				178	60	684		2nd. hr.
3.	2.000 x .750				144	60	502		3 rd. 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		241	1.000	1.183	1.031	3233
2	11.000		190	1.000	1.183	1.024	2531
3	11.000		156	1.000	1.183	1.020	2071
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio 1,000. per barrel Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 53 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 1422 P_c^2 2022084

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	24336	514	264196	1757888
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.1503 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.1109

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2,301

OCT 29 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow 2,301 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .75

Remarks: ____

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