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		
Pool: Blanco			Formation: Mesa Verde		Unit
Completion Date: 9-22-78	Total Depth: 4550		Plug Back TD: 4450	Elevation: 5593	Farm or Lease Name: Bunce "A"
Csg. Size: 4.5 / 7.00	Wt.: 11.6 / 23.0	d: 4.00 / 6.370	Set At: 4510 / 3160	Perforations: From 3794 To 4414	Well No.: 1
Tbg. Size: 2.375	Wt.: 4.70	d: 1.995	Set At: 4386	Perforations: From Open To Ended	Unit: A; Sec.: 19; Twp.: 29N; Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas Gas Multiple			Packer Set At: 3058		County: San Jaun
Producing Thru: tubing	Reservoir Temp. °F: ø	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0		State: New Mexico
L: 4386	H: 4386	Gg: .720	% 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							1225				168 Hr SI
1.	2.000	X	.750				186	60			1st Hr
2.	2.000	X	.750				71	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		198	1.000	1.179	1.026	2635
2.	11.00		83	1.000	1.179	1.013	1090
3.	11.00		69	1.000	1.179	1.011	905
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 _____ R

P_c 1237 P_c^2 1530169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	4761	140	19603	1510566
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0130$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0097$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 914$

Absolute Open Flow 914 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: This AOF was run in conjunction with the second half of the required initial packer leakage test. This being the lower zone. The upper zone is the Chacra

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul D. Berhost	Paul D.Berhost	R.P.Hergenreter