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: 9-27-78	
Company: GETTY OIL COMPANY	Connection: Not connected			
Pool: Bloomfield	Formation: Chacra		Unit	
Completion Date: 9-8-78	Total Depth: 4470	Plug Back TD: 4380	Elevation: 5549	Farm or Lease Name: Hanley "B"
Csg. Size: 7.00 / 4.50 — Wt.: 23.0 / 11.6 — d: 6.370 / 4.00 — Set At: 3140 / 4437		Perforations: From 2932 To 2938		Well No.: 1
Tbg. Size: 1.900 — Wt.: 2.90 — d: 1.610 — Set At: 2929		Perforations: From Open To Ended		Unit: N — Sec.: 18 — Twp.: 29N — Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas Gas Multiple		Packer Set At: 3059		County: San Jaun
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico
L: 2929 — H: 2929 — Gg: .660 — % CO_2 — % N_2 — % H_2S — Prover: 2.00 — 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						1012		1012		336Hr SI
1.	2.000	X .750				80	60	348		1 st Hr
2.	2.000	X .750				61	60	312		2 nd Hr
3.	2.000	X .750				46	60	290		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	11.00		92	1.000	1.231	1.007	1254
2.	11.00		73	1.000	1.231	1.007	995
3.	11.00		58	1.000	1.231	1.007	791
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1024 P_c^2 1048576

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	3364	302	91204	957372
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0953$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0706$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 847$

Absolute Open Flow 847 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 upper zone. The lower zone is the Mesa Verde.

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