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: 10-9-78	
Company: Getty Oil Company	Connection: Not Connected			
Pool: Bloomfield	Formation: Chacra			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 2976 To 2982		Well No.: 1
Tbg. Size: 1.90 — Wt.: 2.90 — d: 1.610 — Set At: 2971		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: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico
L: 2971 — H: 2971 — Gg: .660	% 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					734		734		258 Hr SI
1.	2.000 X .750				28	60	192		1st Hr
2.	2.000 X .750				16	60	142		2nd Hr
3.	2.000 X .750				14	60	123		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		40	1.000	1.231	1.004	544
2.	11.00		28	1.000	1.231	1.003	380
3.	11.00		26	1.000	1.231	1.003	353
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 746 P_c^2 556516

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	676	135	18225	538291
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0339$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0253$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 362$

Absolute Open Flow 362 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

OCT 23 1978
OIL CON. COM.
DIST. 3

Remarks: ~~This AOF was run in conjunction with the first 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