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: 09-13-79	
Company: Getty Oil Company	Connection: Not Connected			Unit:
Pool: Harris Mesa Chacra	Formation: Chacra			Farm or Lease Name: Marshall A
Completion Date: 9-4-79	Total Depth: 3320	Plug Back TD: 3263	Elevation: 6063	Well No.: 7
Csg. Size: 4.50 / Wt.: 9.50 / d: 4.090 / Set At: 3308	Perforations: From 3012 To 3194			Unit: B / Sec.: 14 / Twp.: 27N / Rge.: 9W
Tbg. Size: 1.90 / Wt.: 2.90 / d: 1.610 / Set At: 3054	Perforations: From open To ended			
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:	State: New Mexico
L: 3054	H: 3054	Gg: .650	% 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					1008		1013		192 hr.
1.	2000 x .750				109		577		1st hr.
2.	2000 x .750				86		484		2nd hr.
3.	2000 x .750				72		429		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		120	1.000	1.240	1.010	1653
2.	11.00		98	1.000	1.240	1.001	1338
3.	11.00		84	1.000	1.240	1.000	1146
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 1013 P_c^2 1026169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	7056	441	194481	831688
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.2338 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.1706

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1,342

Absolute Open Flow 1,342 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Alvin Yazzie	Paul D. Berhost	