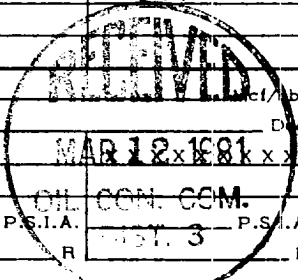


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-24-81							
Company Getty Oil Co.			Connection not connected								
Pool Basin			Formation Dakota								
Completion Date 2-13-81		Total Depth 6393		Plug Back TD 6341							
Elevation 5474 G.L.		Farm or Lease Name Bunce Fed. Com.									
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6386	Perforations: From 6159 To 6287							
Thg. Size 2.375	Wt. 4.70	d 1.995	Set At 6215	Perforations: From Open To Ended							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At							
Single Gas				***							
Producing Thru		Reservoir Temp. °F		Baro. Press. - P _g							
Tubing		%		State							
L		H		New Mexico							
G _g		% CO ₂		Meter Run							
6215		6215		2.000							
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							1112		1105		192 Hr. S.I.
1.	2.000 X .750						230	60	632		1st Hr.
2.	2.000 X .750						187	60	622		2nd Hr.
3.	2.000 X .750						165	60	609		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	11.00		242	1.000	1.179	1.030	3233				
2	11.00		199	1.000	1.179	1.025	2645				
3	11.00		177	1.000	1.179	1.021	2344				
4											
5											
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ A.P.I. Gravity of Liquid Hydrocarbons _____ Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ Critical Temperature _____ °R _____						
1											
2											
3											
4											
5											
P _c 1124	P _c ² 1263376										
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4394$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3141$						
1					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3080$						
2											
3	31329	621	385641	877735							
4											
5											
Absolute Open Flow 3080 Mcfd @ 15.025					Angle of Slope θ _____			Slope, n .75			
Remarks: _____											
Approved By Commission:			Conducted By: Paul D Berhost			Calculated By: Paul D. Berhost			Checked By:		