

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

Form O-1
 (Rev. 1-1-60)

☒ Initial ☐ Annual ☐ Special				Test Date 8-13-82		SEP	
Company Getty Oil Company				Connection Not connected			
Basin Dakota				Formation Dakota			
Completion Date 12-82		Total Depth 7118		Plug Back TD 7070		Elevation 6680GL	
Perforations: From 6970 To 7038		Well No. 26		Farm or Lease Name Jicarilla			
Size 1.500	Wt. 15.5	d 4.950	Set At 7118	Perforations: From open To ended		Unit A	Sec. 31
Size 2.375	Wt. 4.7	d 1.995	Set At 6997			Twp. 25N	Rge. 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---		County Rio Arriba	
Producing Thru Tubing L		Reservoir Temp. °F 6997		Mean Annual Temp. °F 6997		Baro. Press. - P _a 12.0	
State New Mexico		Prover 2.00		Meter Run 2.00			
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.
1.	163 hrs.						1709
2.	2.000 X .750						229
3.	2.000 X .750						169
4.	2.000 X .750						132
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	11.000		241	1.000	1.195	1.026	3250
2	11.000		181	1.000	1.195	1.021	2429
3	11.000		144	1.000	1.195	1.017	1925
4							
5							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 2,100,000 to 1 Mcfd/bbl. A.P.I. Gravity of Liquid Hydrocarbons 39.6 @ 60 °F Specific Gravity Separator Gas XXXXXXX Specific Gravity Flowing Fluid XXXXX Critical Pressure ----- P.S.I.A. Critical Temperature ----- °R		
1							
2							
3							
4							
5							
P _c 1722 P _c ² 2965284					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1295$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0956$		
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²			
1							
2							
3	20736	583	339889	2625395	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2109$		
4							
5							
Rate of Flow 2109 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:	