

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 10-27-77	
Company Getty Oil Company				Connection Not Connected		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 10-19-77		Total Depth 4650		Plug Back TD 4609		Elevation 6213
Form or Lease Name Marshall "A"						
Csg. Size 7.00 4.500	Wt. 20.0 11.6	d 6.456 4.000	Set At 2491 4649	Perforations: From 4150 To 4591		Well No. 6 "A"
Tbg. Size 2.375	Wt. 4.7	d 2.000	Set At 4572	Perforations: From Open To Ended		Unit Sec. Twp. Rge. E 14 27N 9W
Type Well - Single - Brdhead - G.G. or G.O. Multiple Single Gas				Packer Set At -		County San Juan
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico
L 4572	H 4572	Gg .725	% CO ₂	% N ₂	% H ₂ S	Prover 2.000
				Meter Run	Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI							944		951		168 Hr.
1.	2.000	X	.750				217	60	594		1 "
2.	2.000	X	.750				171	60	531		1 "
3.	2.000	X	.750				152	60	506		1 "
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.000		229	1.000	1.174	1.030	3046
2	11.000		183	1.000	1.174	1.024	2420
3	11.000		164	1.000	1.174	1.021	2162
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ F

P _c 963	P _c ² 927369	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4071$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{1/n} = 1.2919$
NO	P _i ²	P _w	P _w ²
1			
2			
3	26896	518	268324
4			
5			

Absolute Open Flow <u>2,793</u> Mcfd @ 15.025		Angle of Slope <u>°</u>	Slope, n <u>.75</u>
Remarks: _____			
Approved By Commission:		Conducted By:	Calculated By: Berhost
		Checked By: <i>R. P. Hengstenberg</i>	