

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 7-6-81			
Company Getty Oil Co.				Connection Not Connected					
Pool Bloomfield				Formation Chacra				Unit	
Completion Date 6-29-81		Total Depth 3,175		Plug Back TD		Elevation 5837 G.L.		Farm or Lease Name Mexico Fed. #5	
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3170	Perforations: From 2981 To 3090		Well No. 1			
Tubg. Size 2-1/16	Wt. 3.25	d 1.751	Set At 3058	Perforations: From Open To Ended		Unit Sec. Twp. Rge. 0 9 28N 10W			
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 12.0		State New Mexico	
L 3058	H 3058	Gg .660	% 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	168 Hrs.						1008		1008		
1.	2.000	x	.750				147	60	378		
2.	2.000	x	.750				107	60	292		
3.	2.000	x	.750				91	60	272		
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	11.000		159	1.000	1.231	1.016	2187
2	11.000		119	1.000	1.231	1.012	1631
3	11.000		103	1.000	1.231	1.011	1410
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 _____ R

P _c 1020	P _c ² 1040400		
NO	P _t ²	P _w	P _w ²
1	10609	294	86436
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0906$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.505$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0672$

Absolute Open Flow	1,505	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: Mark Kramer	Calculated By: Mark Kramer	Checked By: Paul D. Berhost
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