

MEXICO OIL CONSERVATION COMM ON
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-13-81	
Company Getty Oil Co.				Connection Not Connected			
Pool Basin				Formation Dakota		Unit	
Completion Date 3-4-81		Total Depth 6426		Plug Back TD 6381		Elevation 5441 G.L.	
Csg. Size 5.500		Wt. 15.5		Set At 6426		Perforations: From 6086 To 6220	
Tbg. Size 2.375		Wt. 4.70		Set At 6163		Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		Farm or Lease Name Mae Gale Com	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L 6163		H 6163		G _g .720		State New Mexico	
				% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1040		1035		168Hr. S.I.
1.	2.000 x .750						120	60	533		1st Hr.
2.	2.000 x .750						54	60	352		2nd Hr.
3.	2.000 x .750						42	60	330		3rd Hr.
4.											
5.											

RATE OF FLOW CALCULATIONS							Rate of Flow Q, Mcfd
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor F _{sp}	
1	11.000		132	1.000	1.179	1.000	1739
2	11.000		66	1.000	1.179	1.000	856
3	11.000		54	1.000	1.179	1.000	700
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 761 to 1 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons 61 @ 60 Deg.
2.					Specific Gravity Separator Gas XXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure XXXXX P.S.I.A.
5.					Critical Temperature XXXXX R

P _c 1052	P _c ² 1106704		
NO.	P _t ²	P _w	P _w ²
1			
2			
3	2916	342	11694
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1182$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 761$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0874$$

Absolute Open Flow 761 Mcfd @ 15.025	Angle of Slope 0	Slope, n
Remarks:		

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