

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 2-13-81	
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 6036 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	
Producing Thru Tubing				Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P _a 12.0				State New Mexico			
L 6163		H 6163		G _g .720		% 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.	
SI							1040		1035	
1.	2.000 x .750						120	60	533	168 Hr. S.I.
2.	2.000 x .750						54	60	352	1st Hr.
3.	2.000 x .750						42	60	339	2nd Hr.
4.										3rd Hr.
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		132	1.000	1.179	1.016	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 _f	Temp. °R	T _f	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 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 1052	P _c ² 1106704			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1182$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0874$
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3	2916	342	11694	987740	
4					
5					

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

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