

EW 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 11-2-79	
Company Getty Oil Company				Connection Not Connected		
Pool Basin				Formation Dakota		Unit
Completion Date 10-24-79		Total Depth 6500		Plug Back TD 6456		Elevation 5713
Csg. Size 5.500		Set At 6501		Perforations: From 6278 To 6418		Farm or Lease Name Mexico Federal K
Tbg. Size 2.375		Set At 6331		Perforations: From open To ended		Well No. 1 E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - gas					Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L 6331		H 6331		G _g .720		% CO ₂
				% N ₂ 		% H ₂ S
				Prover 2.00		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							1233		1234		170 hr.
1.	2.000 x .750						296	60	785		1st hr.
2.	2.000 x .750						228	60	781		2nd hr.
3.	2.000 x .750						201	60	773		3rd hr.
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	11.00		308	1.000	1.179	1.041	4158
2	11.00		240	1.000	1.179	1.032	3212
3	11.00		213	1.000	1.179	1.028	2840
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	1000 to 1 Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	66.0 @ 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.
5.					Critical Temperature	R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.6582$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.4612$ AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4150$
1					
2					
3	45369	785	616225	936291	
4					

Absolute Open Flow	4,150	Mcf/d @ 15.025	Angle of Slope °	Slope, n .75
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	
	Mark Kramer	Paul D. Berhost		