

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 2/19/81	
Company Getty Oil Company		Connection El Paso	
Pool Undesignated-Morrow		Formation Morrow	
Completion Date 12/22/80		Total Depth 15,000	Plug Back TD 14,958
		Elevation 3757 G.R.	Form. or Lease Name Getty 32 State <i>Com</i>
Csg. Size 5	Wt. 18	d 15,000	Set At 15,000
		Perforations: From 14,394 To 14,567	Well No. 1
Trq. Size 2 3/8	Wt. 4.7	d 1.995	Set At 13,901
		Perforations: From To	Unit G 32 21S 32E
Type well - Single - Prodenhead - G.G. or G.O. Multiple Single			Packer Set At 13,892
Producing Thru tubing			County Lea
Reservoir Temp. *F 60		Mean Annual Temp. *F 13.2	State New Mexico
L 13901	H 13901	Gg 0.6204	% CO ₂ 1.011
		% N ₂ 0.306	% H ₂ S 0
		Prover 4"	Meter Run Flange

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							4950	96	Packer		SI 60 days
1.	4"		1.25	403.22	9.00	69	4600	95			3/4 hr.
2.	4"		1.25	403.22	17.64	66	4375	94			3/4 hr.
3.	4"		1.25	396.90	36.60	60	3900	93			3/4 hr.
4.	4"		1.25	360.00	73.96	59	3300	92			1 hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mscf
1	9.643	61.22	416.42	.9915	1.27	1.036	770
2	9.643	85.71	416.42	.9943	1.27	1.038	1,130
3	9.643	122.51	410.10	1.000	1.27	1.039	1,559
4	9.643	166.14	373.20	1.001	1.27	1.035	2,108
5							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.62	529	1.46	.931	48.2	48.2	X X X X X X X X	X X X X X	P.S.I.A.	P.S.I.A.
2	0.62	526	1.45	.929					R	R
3	0.61	520	1.43	.927						
4	0.55	519	1.43	.934						
5										

P _r 6765.2 P _w 45768		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.999$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.757$	
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	
1		6255.2	39,128	6,640	
2		5987.2	35,874	9,921	
3		5468.2	29,901	15,867	
4		4782.2	22,869	22,899	
5					

Absolute Open Flow 3,703		Mcf/D 15.025		Angle of Dip θ		Slope, n 8135	
Bottom hole pressures measured at midpoint of perms.							
Remarks:							
Approved By: <i>[Signature]</i> Conducted By: Bill Krafft Calculated By: John D. Murray Checked By: Dale R. Crockett							