

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: 8-18-77		Date: 8-18-77		
Company: Getty Oil Company				Connection: Not Connected				E & P Department: ...	
Pool: Aztec				Formation: Fruitland				Unit: ...	
Completion Date: 8-8-77		Total Depth: 1966		Plug Back TD: 1926		Elevation: 5693		Farm or Lease Name: Mexico Federal "B"	
Csg. Size: 5.500	Wt. 14.0	Set At: 1961	Perforations: From 1686 To 1706		Well No.: 1 A				
Tbg. Size: 1.315	Wt. 1.8	Set At: 1680	Perforations: From Open To Ended		Unit Sec. Twp. Rge.: M 9 28N 10W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Gas ; Gas Multiple					Packer Set At: 1837		County: San Juan		
Producing Thru: Casing		Reservoir Temp. °F: ...		Mean Annual Temp. °F: ...		Baro. Press. - P _a : ...		State: New Mexico	
L: 1694	H: 1694	Gg: .649	% 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							491		491		168 Hr.
1.	2.000	X	.750				98		94		1 Hr.
2.	2.000	X	.750				79		76		1 Hr.
3.	2.000	X	.750				68		65		1 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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.00		106	1.000	1.241	1.009	1460
2	11.00		88	1.000	1.241	1.009	1212
3	11.00		77	1.000	1.241	1.007	1058
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 503	P _c ² 253009			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0260$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0220$
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3	5929	80	6400	246609	
4					
5					

Absolute Open Flow **1081** Mcfd @ 15.025 Angle of Slope θ _____ Slope, n **.85**

Remarks: _____

Approved By Commission: _____	Conducted By: Paul D Berhart	Calculated By: Paul D Berhart	Checked By: _____
-------------------------------	-------------------------------------	--------------------------------------	-------------------