

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-122

Revised 10-1-78

SANTA FE, NEW MEXICO 87501

ENERGY AND MINERALS DEPARTMENT

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR DATA WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-17-83		JUN 24 1983	
Company Getty Oil Company		Connection Not Connected		OIL CON. DIV.	
Pool Bloomfield <i>Stero</i>		Formation Chacra		Unit DIST. 3	
Completion Date 6-10-83		Total Depth 3104		Flag Rank TD 3063	
Elevation 5631 GL		Form or Lease Name Mexico Fed. "N"		Well No. 2	
Csq. Size 4.500	Wt. 9.50	d 4.090	Set At 3104	Perforations: From 2896 To 3006	Well No. 2
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 2973	Perforations: From Open To Ended	Unit Sec. Twp. Rge. F 15 29N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas			Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0	
Baro. Press. - P _a 12.0		State New Mexico			
L 2973	H 2973	Gg .650	% 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	163Hr. Shut In						995		995		
1.	2.000	X	.750				358	60°	606		1st Hr.
2.	2.000	X	.750				296	60°	501		2nd Hr.
3.	2.000	X	.750				265	60°	446		3rd Hr.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.000		370	1.000	1.240	1.038	5239
2	11.000		303	1.000	1.240	1.030	4327
3	11.000		277	1.000	1.240	1.027	3880
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

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.2608$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1898$
1						
2						
3	76729	458	209764	304235	ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4,617$	
4						
5						

Absolute Open Flow <u>4,617</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n <u>.75</u>	
Remarks: _____					
Approved By Division _____ Conducted By: <u>Paul D. Berhost</u> Calculated By: <u>Paul D. Berhost</u> Checked By: _____					