

RECEIVED

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 7/20/77	
Company MONSANTO COMPANY		Connection	
Field Eddy County Undesignated Wolfcamp		Formation Wolfcamp	
Completion Date 1/2/77		Total Depth 11,870	
Plug Back TD 10,650		Elevation 3163 Gr.	
Perforations: 9312 From 9674 To 9682		Well No. 1	
Type Well - Single - Rodenthead - G.G. or G.O. Multiple Single		Packer Set At 9114	
Producing thru Tubing		Reservoir Temp. °F 145 @ 9497	
Mean Annual Temp. °F 60		Baro. Press. - P _a	
L 9497		H 9497	
G _g .700		% CO ₂ 0	
% N ₂ 0		% H ₂ S 0	
Prover		Meter Run X	
Taps		State New Mexico	

FLOW DATA						TUBING DATA		CASING DATA		Direction 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
Sl	24 Hrs.						1700	70			
1.	24 Hrs.		1"	500	10	95	600	70			24 Hr.
2.											
3.											
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 _{sp}	Rate of Flow Q, Mgd
1.	4.753	71.638	513.2	.9905	1.195	1.062	428
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/STB
1.	.77	530	1.35	.887	15.200	
2.					A.P.I. Gravity of Liquid Hydrocarbons 52.9° @ 60° F	Deg.
3.					Specific Gravity Separator Gas .700	XXXXXXX
4.					Specific Gravity Flowing Fluid XXXXX	.888
5.					Critical Pressure 668 P.S.I.A.	663 P.S.I.A.
					Critical Temperature 392 R	451 R

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.		600.1	360	2575		
2.						
3.						
4.						
5.						

Absolute Open Flow 480 Mgd @ 15.025 Slope of Slope @ 480 Slope, n

Remarks: Well is not capable of producing at various rates for 4 Point Back Pressure Test.

Approved by Comission: *W. M. Schell* Calculated By: Checked By: