

RECEIVED
AUG 22 1969
OIL CON. COM.
DIST. 3

Type Test ☐ Initial ☐ Annual ☐ Special		Test Date 3-16-60	
Company Artes Oil & Gas company		Connection Platwood Cliffs	
Well No.		Unit	
Completion Date 3-11-60		Total Depth 2066	
Perforation 2066		Elevation 5889 Gr	
Flow Rate Q = 2.5		Pressure Drop P _{wf} = 1.2	
Viscosity μ = 1.2		Formation Pressure P _f = 2586	
Skin Effect S = 0		Gas Gravity G = 0.7	
Temperature T = 70		Compressibility C = 0.0001	
Wellbore Radius r _w = 0.25		Reservoir Radius R = 100	
Initial Pressure P _i = 2586		Current Pressure P _e = 2586	

No.	Pressure psi	Time hr	Rate m³/d	Pressure psi	Time hr	Rate m³/d
1	2586			2586		
2						
3						
4						
5						

RATED FLOW CALCULATIONS							
No.	Coefficient (24 Hour)	Pressure P _{wf}	Flow Temp. F _{wf}	Gravity Factor F _g	Super Compress. Factor, P _{wf}	Total Flow Q _t , m³/d	
1	12.285	162	1.000	0.258	1.000	1668	
2							
3							
4							
5							

No.	P _{wf}	Temp. °R	Z	Gas-Liquid Ratio A/L, Scf/bbl	Specific Gravity B/L, lb/scf	Flowing Field C/L, ft	Pressure D/L, psi	Temperature E/L, °R
1	162	520	0.7	1.000	0.7	100	2586	520
2								
3								
4								
5								

No.	P _{wf}	P _e	R _w	R _e	Formula	Result
1	162	2586	0.25	100	$\frac{R_e^2}{R_w^2} - \frac{P_w^2}{P_e^2}$	1.0529
2					$\left[\frac{R_e^2}{R_w^2} - \frac{P_w^2}{P_e^2} \right]^n$	1.0878
3					AOF = Q	1664
4						
5						

Absolute Open Flow	1664	Mold @ 15.025	Angle of Slope @	Slope, n
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Remarks:

Approved by Completion	Conducted By	Checked by	Checked By
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