

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3/21/79					
Company GULF OIL CORP.		Connection AIR					
Field WHITE CITY		Formation PENN					
Completion Date 3/17/79		Total Length 11670					
Casing Size 5" 15		Set At 11617					
Tubing Size 2 3/8" 1.7		Set At 11017					
Type Well - Single - Production - G.G. or G.O. Multiple		Perforations: From 11139 To 11548					
SINGLE		Perforations: From OPEN To END					
Producing Thru TBG.		Baro. Press. - P _d 13.2					
Reservoir Temp. °F 184 @ 11017		Mean Annual Temp. °F 60°					
L 11017		H 11017					
G _g .574		% CO ₂ .66					
% N ₂ 1.05		% H ₂ S					
Prover		Meter Run 4"					
County EDDY		State NEW MEXICO					
TUBING DATA		CASING DATA					
Duration of Flow		72 HR.					
1.		1 HR.					
2.		1 HR.					
3.		1 HR.					
4.		1 HR.					
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, Mcf/d
1.	14.93	48.51	588.2	.9697	1.320	1.039	963
2.	14.93	68.60	588.2	.9732	1.320	1.036	1363
3.	14.93	97.01	588.2	.9777	1.320	1.039	1942
4.	14.93	137.19	588.2	.9795	1.320	1.039	2752
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY Met/Lbl.		
1.	.88	543	1.57	.927	A.P.I. Gravity of Liquid Hydrocarbons		
2.	.88	549	1.59	.931	Specific Gravity Separator Gas .574		
3.	.88	544	1.57	.927	Specific Gravity Flowing Field		
4.	.88	542	1.57	.927	Critical Pressure 672 P.S.I.A.		
5.					Critical Temperature 346 °R		
P _c 3833.2 P _w 14693.4				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.049$			
				(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.637$			
NO.	P _r	P _w	P _c	P _c - P _w	ACF = Q		
1.		3640.0	13249.6	1443.8	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.505$		
2.		3482.5	12127.8	2565.6			
3.		3228.2	10421.3	4272.1			
4.		2742.6	7521.9	7171.6			
5.							
Absolute Open Flow 4,505				Angle of Slope 55.5°		Slope, n .687	
Remarks:							
Approved by Commission		Conducted By: JOHN R. DAVIS		Calculated By: LARRY C. DAVIS		Checked By:	

RECEIVED
MAR 26 1978
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