

RECEIVED

Type Test		☒ Initial ☐ Annual ☐ Special		Test Date		2-6-74		FEB 27 1974	
Company				Connection				O. C. C.	
Conquing Oil Corporation				None				ARTESIA, OFFICE	
Well				Formation				Unit	
Wildcat				Hocrow					
Completion Date		Total Depth		Flow Test TD		Elevation		Farm or Lease Name	
2-2-74		9979'		9910'		5339 KB		Gulf Federal	
Csp. Size	wt.	d	Set At	Perforations:		Well No.			
5 1/2"	17		9979'	From 9618' To 9630'		1			
Log. Size	wt.	d	Set At	Perforations:		Unit		Soc.	Twp.
2-3/8"	N80		9633'	From To		A		5	19S 27E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		County			
Single				9752.86 9597		Eddy			
Producing thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State	
Tubing		193 a 9624'		60		132		New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
9633	9633	.626	.0065	.0031	None		3068	Flange	

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
51							2913				24 hrs
1.	3.0		1.750	210	9.0	126	2525	73			120 min.
2.	3.0		1.750	500	11.2	93	2135	74			120 min.
3.	3.0		1.750	510	16.0	92	1865	74			90 min.
4.	3.0		1.750	510	24.0	92	1545	74			90 min.
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	15.61	44.82	223.2	.9341	1.264	1.018	441
2	15.61	75.81	513.2	.9697	1.264	1.040	1509
3	15.61	91.49	523.2	.9706	1.264	1.046	1833
4	15.61	112.05	523.2	.9706	1.264	1.046	2245
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	No. Liquids	Mcfd/Unit.
1	.33	576	1.43	.966	A.P.I. Gravity of Liquid Hydrocarbons	None	Dep.
2	.76	552	1.47	.924	Specific Gravity Separator Gas	.626	XXXXXXXXXX
3	.77	552	1.47	.914	Specific Gravity Flowing Fluid	XXXXXX	
4	.77	552	1.47	.914	Critical Pressure	671	P.S.I.A.
5					Critical Temperature	375	R

NO.	P _r	P _w	P _w	P _r ² - P _w ²
1	3329.2	1155.4		9109
2	2915.2	1496.6		6165
3	2587.2	16694.0		7969
4	2191.2	14601.0		9862
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.4868$		(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.392$	
ACF = 2		3125	

Absolute Open Flow		3125	Mcfd @ 15.025	Angle of Slope	50°	Slope, n	843
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Remarks:		PW substituted for PT - BHP measured with Amerada Bomb	
		No. 4752X	

Approved By Commission:	Conducted By:	Calculated By:	Checked By: