

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		APR 3 - 1974	
Company				Connection				Unit			
Coquina Oil Corporation				None				T.C.			
Pool				Formation				T.C.E.			
Bathhouse Deer <i>Monroe</i> Wildcat Avalon <i>Monroe</i>				Morrow							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
3-26-74		11287		11026		3227 KB		Arco Federal			
Casing Size		WT.		Set At		Perforations:		Well No.			
5 1/2		17		11047		From 10884 To 10916		No. 1			
Tub. Size		WT.		Set At		Perforations:		Unit			
2 3/8		4.7		10919		From 10840 To 10846		Sec. Twp. Rye.			
								G 8 21S 26E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single						10,833.5		Eddy			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
tubing		172 @ 11287		60°		13.2		New Mexico			
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
10919		10919		.625		None		None		None	
										Prover	
										Meter Run	
										3.0	
										Taps	
										flange	
						TUBING DATA		CASING DATA		Duration	

10919		10919		.625		None		None		None		CASING DATA		Duration of Flow	
FLOW DATA												TUBING DATA			Press. p.s.i.g.
NC.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F							
							2748	70	0				60 min		
SI	3.0		2.0	580	11	70	2560	52	0				60 min		
1.	3.0		2.0	580	31	70							60 min		
2	3.0		2.0	580	48	68	2330	50	0				60 min		
3	3.0		2.0	730	51	68	2162	48	0						
4															
5					SITP 2830										
DATE OF FLOW CALCULATIONS															

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	28.37	80.80	593.2	.9905	1.265	1.054	3027
2	28.37	135.57	593.2	1.008	1.265	1.061	5203
3	28.37	168.74	593.2	1.012	1.265	1.071	6563
4	28.37	194.68	743.2	1.012	1.265	1.090	7707
5						None	Mcfd/bbl.

5					Gas Liquid Hydrocarbon Ratio	None	Mcf/bbl.
N.O	T_r	Temp. °R	T_r	Z	A.P.I. Gravity of Liquid Hydrocarbons	None	Deg.
1	.880	530	1.45	.901	Specific Gravity Separator Gas	.625	X X X X X X X X
2	.880	512	1.40	.889	Specific Gravity Flowing Fluid	X X X X X	
3	.880	508	1.39	.872	Critical Pressure	671	P.S.I.A. P.S.I.A.
4	1.107	508	1.39	.842	Critical Temperature	365	R R
5							

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	3547.2	12582	545
2	3451.2	11910	1217
3	3322.2	11037	2090
4	3226.2	10408	2719
5			

$$(i) \frac{P_C^2}{P_C^2 - i\omega^2} = \frac{4.8278}{}$$

$$\Delta OF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{21,425}$$

21,425	Mold @ 15.025	Angle of Slope @ 37	Slope % 7.5
Absolute Open Flow Connected with Amerada Element No. 33109 -			

21,425 Mcd at 15.025 Angle of slope
Absolute Open Flow
Remarks: P.W. substituted for PT - Measured with Amerada Element No. 33109 -
3000# Element

Approved By Commission:	Conducted By: Spruell	Calculated By: Spruell	Checked By: Pyle
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$$\left[\frac{R_c^2 - R_w^2}{R_c^2} \right]^n = \frac{2.780}{R_c^2}$$
 RECEIVED
 APR 2 1974
 U.S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO
 57 Slope: 0.6