

MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65
21561

Type Test ☒ Initial ☐ Annual ☐ Special				Date 12-5-74		RECEIVED JAN 10 1975 O. C. C. ASTORIA OFFICE	
Company Coquina Oil Corp.				Connection None			
Pool Golden Lane				Formation Strawn			
Completion Date 12-5-74		Total Depth 11,248		Plug Back To 11,213		Elevation 3322 G.L.	
Csa. Size 4 1/2		Wt. 17#		Set At 11,248		Perforations: From 10,873 To 11,092	
Tbg. Size 2 3/8		Wt. 4.7		Set At 10,851		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 10,847.87		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 172 @ 10,982		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 10,851		H 10,851		Gg .714		% CO ₂ None	
						% N ₂ None	
						% H ₂ S None	
						Prover 3.068	
						Meter Run 3.068	
						Taps 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.	
SI							3242			
1.	3.068		1.625	400	5.5	56	2523	72		
2.	3.068		1.625	415	47	73	2082	72		
3.	3.068		1.625	418	64	76	1740	72		
4.	3.068		1.625	420	59	72	1381	72		
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	13.24	47.67	413.2	1.004	1.183	1.056	791.6
2	13.24	141.86	428.2	.9877	1.183	1.051	2,303.6
3	13.24	166.12	431.2	.9850	1.183	1.044	2,675.7
4	13.24	159.87	433.2	.9877	1.183	1.051	2,599.3
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 16.23 To 1 Mcf/ubbl.
1	.62	516	1.30	.897	A.P.I. Gravity of Liquid Hydrocarbons 60 Deg.
2	.64	533	1.35	.906	Specific Gravity Separator Gas .714 XXXXXXXXX
3	.64	536	1.36	.917	Specific Gravity Flowing Fluid XXXXX
4	.65	533	1.35	.905	Critical Pressure 668 P.S.I.A. P.S.I.A.
5					Critical Temperature 395 R R

P _c 4746.2 P _c ² 25,526				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.416$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3533$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²			
1		4573.2	20916	4610			
2		3143.2	9879	15647			
3		2739.2	7503	18023			
4		2263.2	5122	20404			
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Absolute Open Flow 3,620 Mcfd @ 15.025				Angle of Slope 48°		Slope, n .87	
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Remarks: 3rd flow rate used for all calculations of A.O.F.	
PW substituted for Pc - measured with Amerada Element	
No. 35116 - 5500# Range	
Approved By Commission:	Conducted By: Spruell
	Calculated By: D. Richburg
	Checked By: Spruell