

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST, OR GAS WELL

Form C-122
 Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-9-81		NOV 20 1981	
Company Coquina Oil Corp.		Connection None		C C C	
Well Herradura Bend <i>Under Atoka</i>		Formation Atoka		Unit ARTESIA, ORICE	
Completion Date 11-9-81		Total Depth 12750		Elevation 3104 ft.	
Perforations: From 11398 To 11536		Well No. 1			
Perforations: From 9586 To		Unit J		Sec. 4	
Temp. Size 2 7/8		Wt. 6.5		Twp. 235	
Type Well - Single - Bratenhead - G.G. or G.O. Multiple Single		Packer Set At 9550		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 198@ 11,467		Mean Annual Temp. °F 68	
Baro. Press. - P _a		State New Mexico			
L 9586	H 9586	G _g .5713	% CO ₂ .55	% N ₂ .14	% H ₂ S .0375
Prover		Meter Run		Temp.	

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
5!							6303				
1.	4.026		2.0	470	6	112	6099	62			60 Min.
2.	4.026		2.0	480	18	81	5972	65			60 Min.
3.	4.026		2.0	500	34	94	5925	77			60 Min.
4.	4.026		2.0	500	56	84	5785	71			60 Min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mgd
1	19.81	53.84	483.2	.9535	1.323	1.029	1384
2	19.81	94.22	493.2	.9804	1.323	1.030	2494
3	19.81	132.09	513.2	.9688	1.323	1.031	3458
4	19.81	169.53	513.2	.9777	1.323	1.031	4479
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	None Made	Mcf/cbl.
1.	.72	572	1.65	.944	A.P.I. Gravity of Liquid Hydrocarbons		Deq.
2.	.73	541	1.56	.943	Specific Gravity Separator Gas	.5713	X X X X X X X X
3.	.76	554	1.60	.941	Specific Gravity Flowing Fluid	X X X X X	
4.	.76	544	1.57	.941	Critical Pressure	672	P.S.I.A. F.S.I.A.
5.					Critical Temperature	346	R R

P _c 76522	P _c ² 58556	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.955$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.1485$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	7486.2	56043	2513
2	7324.2	53644	4912
3	7155.2	51197	7359
4	6980.2	48723	9833
5			

Absolute Open Flow <u>23,060</u> Mc/d @ 15.025	Angle of Slope <u>47.5</u>	Slope, n <u>.91843</u>
Remarks: PW Substituted for PT measured with Amerada Instrument No. 34515 0 - 8500		
Approved by Commission:	Conducted By: Pyle	Calculated By: Sprue11
		Checked By: Pyle