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Form C-122  
Revised 6-1-82

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR **001 22 1982**

O. C. D.  
ARTESIA, OFFICE

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 9/28/82							
Company Coquina Oil Corp.			Connection None								
Pool <i>Pure Gold</i>			Formation Morrow								
Completion Date 9-28-82		Total Depth 14,850		Plug Back TD 14,827	Elevation 3327 GL						
Farm or Lease Name Pure Gold Federal			Well No.								
Csg. Size 5"	Wt. 18#	Set At 14,849	Perforations: From 14,266 To 14,361		Unit 1						
Trq. Size 2-7/8"	Wt. 6.5	Set At 14,180	Perforations: From To		Unit Sec. Twp. 3 7 27E						
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Facker Set At 14,150							
Producing Thru Tubing			Reservoir Temp. °F 213@ 14,202	Mean Annual Temp. °F 68	Baro. Press. - P <sub>a</sub> 13.2						
L 14,180	H 14,180	G <sub>g</sub> .569	% CO <sub>2</sub> .80	% N <sub>2</sub> 0	% H <sub>2</sub> S 0						
Prover			Meter Run 4.026	Taps Flange							
FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow			
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							4,933				60 Mins.
1.	4.026		1.50	310	4.5	67	4,871	71			60 Mins.
2.	4.026		1.50	325	20.	71	4,783	72			60 Mins.
3.	4.026		1.50	510	61.	70	4,531	74			60 Mins.
4.	4.026		2.50	368	34.	69	4,079	74			60 Mins.
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor F <sub>sp</sub>	Rate of Flow O. Mc/d				
1	10.84	38.14	323.2	.9933	1.326	1.025	558				
2	10.84	82.24	338.2	.9896	1.326	1.027	1,201				
3	10.84	179.65	523.2	.9905	1.326	1.041	2,648				
4	32.64	113.85	381.2	.9822	1.326	1.030	4,085				
5											
NO.	R	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ None Made _____ Mcf/bbl.						
1	.48	527	1.52	.951	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2	.50	531	1.53	.949	Specific Gravity Separator Gas .569 _____ XXXXXYYXX						
3	.78	530	1.53	.922	Specific Gravity Flowing Fluid _____ XXXXX						
4	.57	529	1.53	.942	Critical Pressure 672 _____ P.S.I.A. _____ P.S.I.A.						
5					Critical Temperature 346 _____ R _____ R						
NO.	P <sub>1</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>	P <sub>2</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_2^2 - P_w^2} = 4.59$ (2) $\left[ \frac{P_2^2}{P_c^2 - P_w^2} \right]^n = 3.136$						
1	6393.2	40873	797.								
2	6339.2	40185	1485								
3	6141.2	37714	3056								
4	5709.2	32595	9075								
5											
NO.	P <sub>1</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>	P <sub>2</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	AOF = C $\left[ \frac{P_2^2}{P_c^2 - P_w^2} \right]^n = 15.633$						
1	6393.2	40873	797.								
2	6339.2	40185	1485								
3	6141.2	37714	3056								
4	5709.2	32595	9075								
5											
Absolute Open Flow 15633				Mcf @ 15.025		Angle of Slope 53		Slope n 75			
Remarks: P.W. Substituted for PT. Measured with Ameraca Instrument No. 3-815 C - 8000# Element											
Approved By Commission:			Conducted By: Spruell			Calculated By: Spruell			Checked By: Fvie		

*Post TD 2  
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LW*