

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-9-77		MAY 20 1977		
Company Coquina Oil Corp.				Connection NGPL				O. C. C.	
Pool Dagger Draw				Formation Atoka				AMERICA, OFFICE F-1	
Completion Date 4-27-77		Total Depth 9640		Plug Back TD 9177		Elevation 3533 KB		Farm or Lease Name Pan Canadian	
Csq. Size 5 1/2	Wt. 20#	d	Set At 9640	Perforations: From 8838 To 8922		Well No. 1			
Tbg. Size 2 7/8	Wt. 6.5#	d	Set At 8931	Perforations: From To		Unit F		Soc. 34	Twp. 19S
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 8734.5		County Eddy			
Producing Thru Tubing		Reservoir Temp. °F 188 @ 8880		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 9640	H 9640	G _g .645	% CO ₂ 0	% N ₂ 0	% H ₂ S 0	Prover	Meter Run x	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							3163		Packer	
1.	6.065		1.0	877	5.8	89	2811	76		120 min.
2.	6.065		1.0	887	9.3	88	2610	76		120 min.
3.	6.065		1.0	895	11.5	83	2444	76		120 min.
4.	6.065		1.0	888	24.4	74	2031	78		120 min.
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	4.726	71.86	890.2	.9732	1.245	1.080	444
2	4.726	91.50	900.2	.9741	1.245	1.081	567
3	4.726	102.20	908.2	.9786	1.245	1.081	636
4	4.726	148.28	901.2	.9868	1.245	1.095	943
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	1.33	549	1.46	.857	80000 to 1	50.5	.645	X X X X X X X X	670	375
2	1.34	548	1.46	.856				X X X X X		
3	1.35	543	1.45	.855						
4	1.35	534	1.42							
5										

P _c 4223.2 P _c ² 17835				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.566$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.327$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1251$		
1		3832.2	14686	3149			
2		3581.2	12825	5010			
3		3391.2	11500	6335			
4		2539.2	6647	11388			
5							

Absolute Open Flow 1251 Mcfd @ 15.025		Angle of Slope θ 58°		Slope, n .6313	
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Remarks: PW substituted for PT - measured with Amerada Instrument No. 38116	
0-6000# Element	

Approved By Commission:	Conducted By: Morgan	Calculated By: Spruell	Checked By: Pyle
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