

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date June 16, 1973		JUL 6 1973	
Company Coquina Oil Corp.				Connection None				O. C. C.	
Pool W. Atoka, Morrow (Gas)				Formation Cisco				Unit ARTESTA, OFFICE	
Completion Date June 12, 1973		Total Depth 8700		Plug Back TD 7320		Elevation 3471 G.L.		Farm or Lease Name Clancy (Com)	
Coq. Size 4 1/2"	Wt. 11.60	d	Set At 8625	Perforations: 7034 to 7064		Well No. 1			
Thg. Size 2 3/8"	Wt. 4.70	d	Set At 6947	Perforations: 7034 to 7064		Unit 0		Sec. 11	Twp. 18S
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 6872		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 143 @ 7085		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 6884	H 6884	Gg .674	% CO ₂ -----	% N ₂ -----	% H ₂ S -----	Prover		Meter Run 3.0 "	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.	Temp. °F	
SI							1139				
1.	3.0		1.0	300	13	98	1072	73			60 Min.
2.	3.0		1.0	300	19	100	1040	74			60 Min.
3.	3.0		1.0	300	28	101	981	74			60 Min.
4.	3.0		1.0	300	33	86	800	75			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 Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	5.171	63.8	300	.9653	1.218	1.028	398.7
2	5.171	77.1	300	.9636	1.218	1.028	481.0
3	5.171	93.45	300	.9628	1.218	1.027	582.0
4	5.171	101.52	300	.9759	1.218	1.030	642.7
5							

NO.	P _t	Temp. °R	T _t	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	.468	558	1.460	.947	2.966 To 1	60.4	.674	X X X X X X X X	669	382
2	.468	560	1.465	.947				X X X X X		
3	.468	568	1.469	.948						
4	.468	546	1.430	.943						
5										

P _c 1438.2	P _c ² 2068	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1145$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0916$
NO.	P _t ²	P _w	P _w ²
1		1339.2	1793
2		1242.2	1543
3		1090.2	1189
4		1044.2	1090
5			

Absolute Open Flow 1.343 Mcfd @ 15.025		Angle of Slope 46	Slope, n .98892
Remarks: P F Substituted For P W ; Measured With Amerada Gauge - R P G 3 No. 27530 N			
Approved By Commission:		Conducted By: Spruell	Calculated By: Spruell
		Checked By: Pyle	