

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 6-1-74		SEP 10 1974	
Company Coquina Oil Corp.				Connection E1 Paso Natural Gas		O. C. C. ARTESIA, OFFICE	
Pool Burton flat <i>Strawn</i>				Formation Strawn		Unit	
Completion Date 6-1-74		Total Depth 11,658		Plug back TD 11,500		Elevation 3245 ft.	
Csg. Size 7 5/8		Wt. 11.6		Perforations: From 10,376 To 10,385		Farm or Lease Name J.M. State Com.	
Tbg. Size 2 3/8		Wt. 4.7		Perforations: From To		Well No. 1	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 9636		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 172 @ 9600		Mean Annual Temp. °F 60		State New Mexico	
L .9636		H 9636		Gg .62		Prover 4.026	
%		%		%		Taps	
CO₂		N₂		H₂S		Flange	
None		None		None			

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							2868			
1.	4.026		1.750	545	4.5	70	2318	72		120 min.
2.	4.026		1.750	550	13.5	72	1844	72		120 min.
3.	4.026		1.750	560	18	70	1604	71		120 min.
4.	4.026		1.750	560	20.5	70	1416	71		120 min.
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _{in}	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	14.93	50.119	558.2	.9905	1.270	1.050	908
2.	14.93	87.196	563.2	.9887	1.270	1.051	1718
3.	14.93	101.58	573.2	.9905	1.270	1.051	2095
4.	14.93	108.40	573.2	.9905	1.270	1.051	2140
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 18.89 to 1 Mcf/bbl.
1.	.83	530	1.45	.907	A.P.I. Gravity of Liquid Hydrocarbons 58 Deg.
2.	.84	532	1.45	.906	Specific Gravity Separator Gas .62 X X X X X X X X
3.	.85	530	1.45	.905	Specific Gravity Flowing Fluid X X X X X
4.	.85	530	1.45	.905	Critical Pressure 671 P.S.I.A. P.S.I.A.
5.					Critical Temperature 365 R R

NO.	P _r ²	P _w ²	P _w ² - P _r ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.465$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.309$
1.	4073.2	16,590.9	3578.2		
2.	2022.2	8,590.3	8052		
3.	2502.2	6,261.0	10330		
4.	2294.2	5,263.4	11328		
5.					

Absolute Open Flow 2801 Mcfd @ 15.025				Angle of Slope 540		Slope, n .709	
Remarks: PW substituted for PT. Measured with Amerada Instrument No. 33252: 5000" Element							
Approved By Commission:		Conducted by J. Spruell		Calculated by J. Spruell		Checked by E. Pyle	