

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		MAR - 6 1978			
Company MONSANTO COMPANY ✓						Connection <i>Coquina oil Co</i>					
Pool AVALON (STRAWN)						Formation STRAWN				Unit O.C.G. ARTEZIA, OFFICE	
Completion Date 1/6/78			Total Depth 10,780		Plug Back TD 10,610		Elevation 3243 KB		Farm or Lease Name COQUINA FED. COM.		
Csg. Size 5.5	Wt. 17#	d 4.892	Set At 10,780	Perforations: From 9282 To 9415				Well No. 1			
Thg. Size 2.375	Wt. 4.7#	d 1.995	Set At 9173	Perforations: From To				Unit J	Soc. 31	Twp. 20S	Rge. 27E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 9173		County Eddy			
Producing Thru Tubing		Reservoir Temp. °F 147 @ 9350		Mean Annual Temp. °F 60		Baro. Press. - P _g 13.2		State New Mexico			
L 9348	H 9348	Gg .688	% CO ₂ .22	% N ₂ .93	% H ₂ S ---	Prover	Meter Run X	Taps			

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	
1.											
2.											
3.											
4.											
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.	THIS WELL IS CURRENTLY FLOWING 480 MCFPD AND 12 BCPD WITH A FTP OF 250 psig						
2.	DUE TO ITS LOW PRODUCTIVITY IT IS NOT CAPABLE OF PRODUCING AT VARIOUS RATES						
3.	FOR A MULTIPPOINT BACK PRESSURE TEST.						
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					37.2	
2.					A.P.I. Gravity of Liquid Hydrocarbons 59.4	Deq.
3.					Specific Gravity Separator Gas .683	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid XXXXX	
5.					Critical Pressure P.S.I.A.	P.S.I.A.
					Critical Temperature R	R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$			
Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____			
Remarks: See above			
Approved By Commission: _____ Conducted By: <i>[Signature]</i> Calculated By: _____ Checked By: _____			