

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

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/24/66																																																																																		
Company Acton Oil and Gas				Connection Southern Union Gathering																																																																																			
Pool Blanco Monserode				Formation Monserode		Unit CON. COM. DIST. 3																																																																																	
Completion Date 9/17/66		Total Depth 6980		Plug Back TD 6987		Elevation 9893																																																																																	
Farm or Lease Name Cadogan Norte						Well No. 20																																																																																	
Csg. Size 4"	Wt. 10.941.6	d 4.000	Set At 6980	Perforations: From 4606 To 4876		Unit Sec. Twp. Rge. 8 32 38 18W																																																																																	
Tbg. Size 1 1/2"	Wt. 8.75	d 1.610	Set At 6770	Perforations: From 6775 To open ended																																																																																			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Oil Prod.					Packer Set At 6770																																																																																		
Producing Thru casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _d 28.8																																																																																	
State New Mexico																																																																																							
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="6">FLOW DATA</th> <th>TUBING DATA</th> <th>CASING DATA</th> <th>Duration of Flow</th> </tr> <tr> <th>NO.</th> <th>Prover Line Size</th> <th>X</th> <th>Orifice Size</th> <th>Press. p.s.i.g.</th> <th>Diff. h_w</th> <th>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> <th></th> </tr> <tr> <td>1</td> <td>2"</td> <td></td> <td>3/4"</td> <td></td> <td>7 day shut in</td> <td></td> <td></td> <td></td> <td>72</td> <td>60 (act)</td> <td>3 hr</td> </tr> <tr><td>2.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>							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"		7 day shut in				72	60 (act)	3 hr	2.												3.												4.												5.											
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RATE OF FLOW CALCULATIONS																																																																																							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd																																																																																
1	12.35		893	1.000	.9898	1.021	989																																																																																
2.																																																																																							
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NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R																																																																																		
1.																																																																																							
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NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.867}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.195}$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{397}$																																																																																			
1																																																																																							
2																																																																																							
3																																																																																							
4																																																																																							
5																																																																																							
Absolute Open Flow 397 Mcfd @ 15.025				Angle of Slope Θ _____		Slope, n .75																																																																																	
Remarks: _____																																																																																							
Approved By Commission:		Conducted By:		Calculated By Original Signed By Carl E. Jameson		Checked By:																																																																																	