

✓ 2-OCC, Aztec, N.M.

1-B

1-NCRA

1-F

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

Form G-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual		Test Date 3/14/77																																																															
Company Bolin Oil Company		not connected																																																															
Well Blanco		Mesaverde																																																															
Completion Date 2/28/77	Total Depth 5230'	Depth to Perforations 5185'	Depth to Gas 6533' GL																																																														
Perforations 5 1/2" 15.5	Perforations 5227'KB	Perforations 4980'	Well No. Candado																																																														
Tbg. Size 2 3/8"	Perforations 5046'KB	To 5106'	Well No. 17-A																																																														
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple			Unit Sec. Twp. Rge. I 10 26N 7W																																																														
Producing Thru Tbg.	Reservoir Temp. °F 3708' KB	County Rio Arriba																																																															
L H Gg	Prover	State New Mexico																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">FLOW DATA</th> <th colspan="2">TUBING DATA</th> <th colspan="2">CASING DATA</th> <th rowspan="2">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>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> </tr> <tr> <td>1.</td> <td>2"</td> <td></td> <td>3/4"</td> <td></td> <td></td> <td>1015</td> <td>963</td> <td>7 days</td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>73</td> <td>44</td> <td>3 hrs.</td> </tr> <tr> <td>3.</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> </tr> <tr> <td>5.</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.	Temp. °F	Press. p.s.i.g.	Temp. °F	1.	2"		3/4"			1015	963	7 days	2.						73	44	3 hrs.	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 F_L	Gravity Factor F_g	Super Compress. Factor F_{sc}	Rate of Flow Q, Mscf/d																																																										
1	12.3650		85	1.0158	1.000	1.000	1068																																																										
2																																																																	
3																																																																	
4																																																																	
5																																																																	
NO.	P_c	Temp. °R	T_r	Z	Specific Gravity of Gas _____ Mcf/bbl. Specific Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity of Gas _____ XXXXXXXXXX Specific Gravity of Liquid Hydrocarbons _____ XXXXXXXXXX Critical Pressure _____ P.C.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R																																																												
1	1027																																																																
2																																																																	
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4																																																																	
5																																																																	
NO.	P_w	P_w^2	$P_c^2 - P_w^2$	$\frac{P_c^2}{P_c^2 - P_w^2} = 1.02646$ $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01978$ $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.089$																																																													
1	7225	165	27189																																																														
2																																																																	
3																																																																	
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Absolute Pressure P_w 1089				Angle of Slope θ		Slope, n .75																																																											
Remarks:																																																																	
Approved By Commission:			Conducted By:			Checked By:																																																											