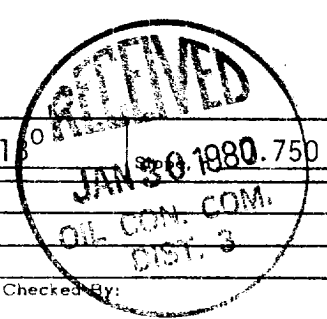


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Test Type ☒ Initial ☐ Annual ☐ Special		Test Date 12-30-79																																										
Company Consolidated Oil & Gas, Inc.		Location																																										
Basin Dakota		Formation Dakota																																										
Well Section Total Depth		Elevation																																										
		6909																																										
Well No. 1-M		Form or Lease Name O'Shay																																										
Well Size 5 1/2	Wt. 15	Set At 6909	Perforations From 6706 To 6796																																									
Well Size 1 1/2	Wt.	Set At 6767	Perforations																																									
Type Well Dual Gas		Pack-off Set At 6650																																										
Reservoir Temp. °F		Mean Annual Temp. °F																																										
12.00		12.00																																										
State New Mexico		County San Juan																																										
Prover 6" Nipple	Meter Run	Taps																																										
<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>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> </tr> <tr> <td>16 days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1555</td> <td>1054</td> <td></td> </tr> <tr> <td>2" X 3/4"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>148</td> <td>1054</td> <td>3 hrs.</td> </tr> </table>				FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	16 days						1555	1054		2" X 3/4"						148	1054	3 hrs.						
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RATE OF FLOW CALCULATIONS																																												
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																																						
1.00		160	1.000	1.240	1.000	2182.4																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>P_c</td> <td>Temp. °R</td> <td>T_g</td> <td>Z</td> <td>Gas Liquid Hydrocarbon Ratio</td> <td>Mcf/bbl.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>A.P.I. Gravity of Liquid Hydrocarbons</td> <td>Deg.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specific Gravity Separator Gas</td> <td>XXXXXXX</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specific Gravity Flowing Fluid</td> <td>XXXXX</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Critical Pressure</td> <td>P.S.I.A.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Critical Temperature</td> <td>R</td> </tr> </table>									P _c	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.					Specific Gravity Separator Gas	XXXXXXX					Specific Gravity Flowing Fluid	XXXXX					Critical Pressure	P.S.I.A.					Critical Temperature	R
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P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1862$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1366$																																								
25600	620.88	385498	2069991	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2480.63$																																								
Flow Rate Open Flow				Mcf @ 15.025		Angle of Slope																																						
2480.63						53.1°																																						
																																												
Approved By Commission:			Conducted By:			Checked By:																																						
			Tefteller, Inc.			Neil Tefteller																																						