

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

Form C-12
Revised 9-68

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-2-79	
Company Consolidated Oil & Gas, Inc.				Connection			
Pool Basin Dakota				Formation Dakota		Unit	
Completion Date		Total Depth		Plug Back TD 8273		Elevation 7238 GL	
Farm or Lease Name Tribal		Well No. C-10-E		Unit Sec. Twp. R		B 7 26 3	
Csg. Size 5 1/2	Wt. d	Set At 8273	Perforations: From 8015 To 8202				
Tbg. Size 1 1/2	Wt. d	Set At 8065	Perforations: From To				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12-0	
State New Mexico							
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S	Prover X	Meter Run
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI	7 days			1857			
1.	2" X 3/4"			89		60	3 hours
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		101	1.000	1.240	1.019	1206.4
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl		
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas 0.650 XXXXXXXXXX		
3.					Specific Gravity Flowing Fluid XXXXX		
4.					Critical Pressure 670 P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature 375 R _____ R		
P _c 1869		P _c ² 3493					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.04958$		
1		406	165	3328	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.036958$		
2							
3							
4							
5							
Absolute Open Flow 1251.0 Mcfd @ 15.025					Angle of Slope 53° 7'		Slope, n 0.750
Remarks:							
Approved By Commission:		Conducted By: Vernon Nelson		Calculated By: Archie Hughes		Checked By:	