

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 7/21/80					
Company Consolidated Oil & Gas Inc.				Connection Gas Co of New Mexico							
Basin <i>Blanco</i>				Formation Mesa Verde				Unit			
Completion Date 7/4/80		Total Depth 7135		Plug Back TD 7117		Elevation 5973		Farm or Lease Name Southern Union			
Crp. Size 5.500	Wt. 15.50	d 4.950	Set At 7135	Perforations: From _____ To _____		Well No. 1-M					
Tbg. Size 1.250	Wt. _____	d _____	Set At 4874	Perforations: From _____ To _____		Unit I	Sec. 19	Twp. 31	Rge. 12		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual						Packer Set At 5090		County San Juan			
Producing Thru Tbg		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P ₀ 12		State New Mexico			
L	H	Gg 0.650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	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	Duration of Flow
SI							960		940		17 Days
1.	Choke		0.75	160		64			870		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	12.365		172	0.9962	0.9608	1.016	2068				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____						
3.					Specific Gravity Flowing Fluid _____						
4.					Critical Pressure _____						
5.					Critical Temperature _____						
	P _c 972	P _c ² 944784									
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.0285$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.3580$				
1	29584	870	756900	187884							
2											
3											
4											
5											
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6944$											
Absolute Open Flow 6944 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n 0.75					
Remarks: _____											
Approved By Commission:			Conducted By:			Calculated By: <i>Joany Wilson</i>			Checked By:		



