

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 1-17-78						
Company CONSOLIDATED OIL & GAS INC				Connection							
Pool				Formation MESA VERDE				Unit			
Completion Date		Total Depth 6360		Plug Back TD 6260		Elevation 5990 RB		Farm or Lease Name HURON			
Csg. Size X	Wt.	d	Set At	Perforations: From 5678 To 6230			Well No. 317				
Tbg. Size 1 1/2	Wt.	d	Set At 6021	Perforations: From                      To			Unit    Sec.    Twp.    Rge. 2    26    4				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE GAS					Packer Set At		County RIO ARRIBA				
Producing Thru CSG		Reservoir Temp. °F 162 @ 5655		Mean Annual Temp. °F		Baro. Press. - P <sub>g</sub> 12.0		State N.M.			
L1	H	Gg .650	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover X		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 DAYS						1001		1001		
1.	2 X 3/4						290		195	60	3 HRS.
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1	11.00		207	1.000	1.250	1.022	2886				
2.											
3.											
4.											
5.											
NO.	P <sub>f</sub>	Temp. °R	T <sub>f</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.				
1.					Specific Gravity Separator Gas _____		XXXXXXXXXX				
2.					Specific Gravity Flowing Fluid _____		XXXXXXXXXX				
3.					Critical Pressure _____ P.S.I.A.		_____ P.S.I.A.				
4.					Critical Temperature _____ R		_____ R				
5.											
P <sub>c</sub> 1013		P <sub>c</sub> <sup>2</sup> 1026169		(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0975$		(2) $\left[ \frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0723$					
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub>	R <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - R <sub>w</sub> <sup>2</sup>	AOF = C $\left[ \frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 3095$						
1		302	91204	934965							
2											
3											
4											
5											
Absolute Open Flow 3095 Mcfd @ 15.025					Angle of Slope $\theta$ _____		Slope, n .75				
Remarks: * 7" 23# WITH 4 1/2" LINER FROM 4112											
Approved By Commission:			Conducted By: TOBY TEFTELLEN			Calculated By:		Checked By:			