

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-21-78					
Company CONSOLIDATED Oil & Gas Inc.					Connection					
Field BLANCO MESA VERDE					Formation MESA VERDE					
Completion Date			Total Depth		Plug Back TD		Elevation		Farm or Lease Name CHAVEZ Com	
Size	Wt.	d	Set At	Perforations:			Well No.			
4 1/2			4801	From 4436 To 4647			1-A			
Tub. Size	Wt.	d	Set At	Perforations:			Unit Sec. Twp. Rge.			
1 1/2			4502	From To			P 2 31 13			
Type Well - Single - Bradenhead - G.G. or G.C. Multiple SINGLE GAS					Packer Set At		County SAN JUAN			
Producing Thru TURBINE		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 120		State NEW MEXICO		
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps		
		650				X				

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
SI	SHUT IN 7000						1054		1046		
1.	2	X	3/4				253	60	790		3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.453		265	1.000	1.240	1.027	3190
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ °R _____ °R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3043$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8702$
1	1066	902	1136356	643204	493152		
2.							
3.							
4.							
5.							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5966$			
---	--	--	--

Absolute Open Flow	5966	Mcf @ 15.025	Angle of Slope °	Slope, n
				75

Remarks:			

Approved By Commission:	Conducted By: TOBY TETTER	Calculated By: NEIL TETTER	Checked By:
-------------------------	------------------------------	-------------------------------	-------------