

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 9-20-78				
Company Consolidated Oil & Gas, Inc.				Connection					
Pool Mesa Verde				Formation South Blanco Mesa Verde				Unit	
Completion Date		Total Depth		Plug Back TD 5906		Elevation 6941 GL		Farm or Lease Name Jicarilla	
Csq. Size 4 1/2	Wt.	d	Set At 5950	Perforations: From 5250 To 5793				Well No. 4-A	
Tbg. Size 1 1/2	Wt.	d	Set At 5773	Perforations: From To				Unit Sec. Twp. Rye. A 8 26 5	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single gas					Packer Set At		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	Shut-in 7 days						836		838		
1.	2 X 3/4						60	60	405		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		72	1.000	1.240	--	844
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 850	P _c ² 722500	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3170$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2293$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		417	173889	548611
2.				
3.				
4.				
5.				

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1038$

Absolute Open Flow 1038 Mcfd @ 15.025

Angle of Slope θ _____

Slope n .75

OCT 16 1978
OIL CON. COM.
DIST. 3

Remarks:			
Approved By Commission:	Conducted By: Archie Hughes	Calculated By: Neil Tefteller	Checked By: